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# CERTIFICATE OF APPRECIATION

## The Role of Hematological and Coagulation Parameters in Severity of COVID-19 in Ulin Referral Hospital of South Kalimantan

**Fidya Rahmadhany Arganita, Haryati, Nadia Muslimah Annisa, Desi Rahmawaty**

Presented at International Teleconference on Technology and Policy for Supporting Implementation of COVID-19 Response and Recovery Plan, In **Social Sciences** track, on 6th-8th August 2021.

**Prof. Ir. Dr. -Ing. Eko Supriyanto**

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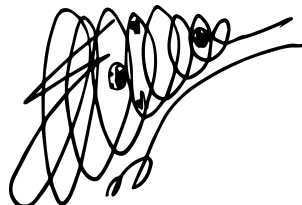
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*ITTP COVID19 General Chairman*



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*Chair of Health Sciences Scientific Committee*

## **THE ROLE OF HEMATOLOGICAL AND COAGULATION PARAMETERS IN SEVERITY OF COVID-19 IN ULIN REFERRAL HOSPITAL OF SOUTH KALIMANTAN**

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### **Abstract**

COVID-19 was known to be a pandemic worldwide. South Kalimantan recorded a high Case Fatality Rate (CFR) of 2.92% until May 30, 2021. Deaths have been related to severe COVID-19 infection. Meanwhile, hematological and coagulation abnormalities are a concern in severe cases. Race, ethnicity, and demographic differences can influence result patterns. This retrospective study aimed to evaluate the role of these parameters in the determination of COVID-19 severity. Data were extracted from 455 confirmed COVID-19 patients in Ulin Referral Hospital between March – November 2020, include demographics, routine hematological tests, and hemostatic factors. Variables were compared between a severe and non-severe group. Significant results were tested by univariate and multivariate analysis. We performed ROC curves to determine the cut-off and efficacy of predictive value in laboratories. We found that older age (OR: 1.051, 95% CI: 1.032-1.071, P<0.001), high haemoglobin (Hb) level (OR: 1.239, 95% CI: 1.125-1.365, P<0.001), neutrophilia (OR: 1.066, 95% CI: 1.044-1.088, P<0.001), Activated Partial Thromboplastin Time (APTT) prolongation [OR: 1.076, 95% CI: 1.031-1.122, P=0.001] and elevated D-dimer (OR: 1.250, 95% CI: 1.110-1.407, P<0.001) were significant predictors in severe cases. The cut-off values for Hb, Neutrophil, APTT, and D-dimer were 13.95 mg/dl, 70.5%, 27.5 seconds, and 1.005 mg/L, respectively. Neutrophils had the best efficacy with an AUC of 0.715. The study concluded that changes in hematological and coagulation have a role as predictive factors of the severity of COVID-19. Our findings were crucial for early diagnosis and intervention, also important to build data of COVID-19, especially in southeast Asia.

**Keywords:** APTT, D-dimer, Haemoglobin, Neutrophilia, Severe COVID-19



## THE ROLE OF HAEMATOLOGICAL AND COAGULATION PARAMETERS WITH SEVERITY OF COVID-19 IN ULIN REFERRAL HOSPITAL OF SOUTH KALIMANTAN

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### ABSTRACT

*COVID-19 was known to be a pandemic worldwide. South Kalimantan recorded a high Case Fatality Rate (CFR) of 2.92% until May 30, 2021. Deaths have been related to severe COVID-19 infection. Meanwhile, haematological and coagulation abnormalities are a concern in severe cases. Race, ethnicity, and demographic differences can influence result patterns. This retrospective study aimed to evaluate the role of these parameters in the determination of COVID-19 severity. We extracted data from 175 negatives, and 455 confirmed COVID-19 patients in Ulin Referral Hospital between March – November 2020, including demographics, routine haematological tests, and hemostatic factors. Variables were compared between a severe and non-severe group in confirmed patients. Significant results were tested by univariate and multivariate analysis. We performed ROC curves to determine the cut-off and efficacy of predictive value in laboratories. We found that older age (OR: 1.051, 95% CI: 1.032-1.071,  $P < 0.001$ ), high haemoglobin (Hb) level (OR: 1.239, 95% CI: 1.125-1.365,  $P < 0.001$ ), neutrophilia (OR: 1.066, 95% CI: 1.044-1.088,  $P < 0.001$ ), prolonged Activated Partial Thromboplastin Time (APTT) [OR: 1.076, 95% CI: 1.031-1.122,  $P = 0.001$ ] and elevated D-dimer (OR: 1.250, 95% CI: 1.110-1.407,  $P < 0.001$ ) were significant predictors in severe cases. The cut-off values for Hb, Neutrophil, APTT, and D-dimer were 13.95 mg/dl, 70.5%, 27.5 seconds, and 1.005 mg/L, respectively. Neutrophils had the best efficacy with an AUC of 0.715. The study concluded that changes in haematological and coagulation have a role as predictive factors of the severity of COVID-19. Our findings were crucial for early diagnosis and intervention, also important to build data of COVID-19, especially in southeast Asia.*

**Keywords:** APTT, D-dimer, Haemoglobin, Neutrophilia, Severe COVID-19

### INTRODUCTION

Coronavirus disease (COVID)-19 is known to be a pandemic worldwide. This novel coronavirus was provisionally named 2019-nCoV, now SARS-CoV-2. SARS-CoV-2 belongs to the *Coronaviridae* family, *Betacoronavirus* genus, subgenus *Sarbecovirus*.<sup>1</sup> As of May 30, 2021, the total number of confirmed cases of COVID-19 in the world is 169 million cases, with a CFR of 2.1%. Meanwhile, Indonesia recorded a Case Fatality Rate (CFR) 2.8% higher than global. As one of many provinces in Indonesia, South Kalimantan reported 33 thousand confirmed cases, which accounts for a high CFR of 2.92%.<sup>2</sup> Death has been linked to severe COVID-19 infection. Determining severity is essential in the management of COVID-19 patients. As is known, this assessment will affect the determination of interventions. The treatment of patients with a severe disease is different from the treatment of general patients





undoubtedly. Patients with severe COVID-19 are often associated with a risk of worse outcomes.<sup>3</sup>

A haematological routine is an examination that is always done in all patients. The abnormalities in patients with COVID-19 have specific characteristics where there have been many studies highlighting the characteristics of haematological routine from COVID-19 infection. Some studies have found an association of abnormalities in haematological routine with the severity of COVID-19. In the calculation of the types of COVID-19, patients commonly found the presence of neutrophilia and lymphocytopenia. Leukocytosis was mentioned to occur in viral infections with bacterial superinfection. Neutrophilia was associated with cytokine storm events.<sup>4</sup>

Hemostatic disorders are also common and are still in the spotlight related to severe COVID-19.<sup>5</sup> The most typical finding in coagulation in COVID-19 is the increase in D-dimer concentration. In contrast, prolonged of prothrombin time is mentioned minimally and sometimes a mild decrease in platelets. Cytokine storms are believed to be associated as the cause of coagulation disorders due to widespread inflammation.<sup>6</sup> Interestingly, cytokine storms are associated with the pathogenesis of severe patients. The direct role of some variables, the efficacy and cut-off value of haematology and coagulation variable in predicting severity, certainly needs to be learned. It may also be more applicative use for the management of patients.

Currently, research is widely conducted in China as the first infected country in the world. However, research data in other regions of Southeast Asia, especially Indonesia, is still limited. The adverse consequences associated with COVID-19 indicate different infection patterns on different geographies. Based on race and ethnicity also showed significant differences in certain groups. That may be related to environmental and health patterns.<sup>7</sup> In addition, COVID-19 virus mutations have been found to spread in various places around the world. Mutations of this virus are known to exhibit different virulence and infectious characteristics. Research is still being conducted to identify SARSCoV-2 better and overcome it.<sup>8</sup>

Therefore, we needed to conduct research related to predicting the severity of COVID-19 from demographic and laboratory data routinely examine in an effort to improve management in tackling COVID-19 by evidence-based. It is also essential to be part of early detection to lower mortality rates in our centre. The difference between the cut-off value and the efficacy of various influential variables can differ in many centres. This research is also expected to build COVID-19 data in Southeast Asia, especially in Indonesia.

## **METHODOLOGY**

We collected data from the medical records of 175 negative RT-PCR and 455 positive RT-PCR as confirmed COVID-19 patients from March to November 2021 in Ulin Regional Hospital as a COVID-19 referral hospital in South Kalimantan. The extracted data included demographics, routine haematological tests, and coagulation parameters for the patient hospital admission. Demographics were age, gender, and any comorbidities. The blood routine tests include haemoglobin (Hb), leukocytes, platelets, eosinophils, neutrophils, lymphocytes, Neutrophil to Lymphocyte ratio (NLR), Absolute Lymphocyte Count (ALC).



The coagulation parameters were Partial Prothrombin Time (PTT), Activated Partial Thromboplastin Time (APTT), and D-dimer. Patients with incomplete medical records based on the variables studied were excluded from the sample subjects.

Negative and positive data we present for comparison first. Then, the confirmed patient's data were divided into two groups, severe and non-severe. Non-severe groups were defined as a patient with the severity of disease at the beginning of hospital admission asymptomatic, mild, and moderate degree [pneumonia (+), SaO<sub>2</sub> > 93 % room air]. Severe [SaO<sub>2</sub> < 93% room air] and critically ill degree [Acute Respiratory Distress Syndrome/ARDS, PaO<sub>2</sub>/FiO<sub>2</sub> < 300 mmHg]) of COVID-19 patient defined as severe groups. This research was approved by the Ethical Research Committee of Ulin General Hospital, Banjarmasin.

Chi-square tests were used to test categorical variables. Two groups of continuous variables were tested using Mann Whitney and Kruskal Wallis if more than two groups. Significant variables as predictors of severity were tested by univariate and multivariate analysis with forward-likelihood ratio logistic regression. The variable is said to have a significant difference if p-value <0.05. We conduct a ROC curve test to determine each laboratory variable's efficacy and cut-off value that becomes the independent predictor of a severe case.

## RESULT & DISCUSSION

Based on demographics and baseline characteristics (Table 1), the median negative patients was 49 (Range 34-59), then the median age of severe patients was 53 years old [Range 45–60], while non-severe was 45 years old (Range 33-53). Significant differences were found in the three groups (P<0.001). The most gender in the severe group was male (P<0.001). Most patients with the underlying disease were in severe groups (80.4%), although there was no significant difference with non-severe groups (73.7%) and negative groups (75.1%).

**Table 1.** Demographic and Baseline Characteristic Patients

Variables	Negative		Positive				P
	N=175	%	Non-Severe		Severe		
			N=179	%	N=276	%	
Age, median (Range)	48	34-58	45	33-53	53	45-60	<0.001 <sup>a</sup>
Male sex	75	42.9	86	48.0	165	59.8	0.001 <sup>b</sup>
With Underlying Disease	127	72.6	132	73.7	222	80.4	0.100 <sup>b</sup>

<sup>a</sup> Kruskal Wallis test

<sup>b</sup> Chi-Square test

Before explaining about the laboratory-based on severity, we first describe the laboratory between a group of 175 negative patients and 455 positive patients (table 2). There were significant differences in laboratory results in which the positive group found higher Hb levels, leukopenia, lower platelet count, eosinopenia, more likely to lymphocytopenia, prolonged PTT and APTT. Other parameters has not significant difference. However, the most of the patients suspected of being infected with COVID-19 but obtained negative RT-PCR 72.6% are patients with comorbidities. Laboratory results are also affected by the underlying disease without COVID-19 infection.



**Table 2.** Comparison of Laboratory Parameters between Negative and Positive Group

Variables	Normal Range	Negative N = 175		Positive N = 455		P
		Median	Range	Median	Range	
Hemoglobin, g/dL	12.0-18.0	10.9	(8.5-12.8)	13.3	11.5-14.5	<0.001
Leukocytes, $\times 10^3/L$	4.0-10.5	10.4	(7.5-15)	7.8	6.-10.6	<0.001
Platelet count, $\times 10^3/L$	150-450	285	(205-370)	250	194.-335.	0.042
Eosinophil, %	1.0-3.0	0.7	(0.1-2.4)	0.3	0.00-1.15	<0.001
Neutrophil, %	50-81	76.7	(68.7-85)	75.9	66.7-83.3	0.368
Lymphocyte, %	20-40	14.6	(8-20.6)	15.6	9.85-23.0	0.067
NLR		5.19	(3.18-10.36)	4.8	2.87-8.73	0.152
ALC		1460.6	(946.6-2016.9)	1261	864.-1676	0.001
PTT, s	9.9-13.5	11.7	(10.9-13.4)	11.4	10.7-12.5	0.016
APTT, s	22.2-37.0	26.8	(24.7-30.2)	28.4	26.1-32.0	<0.001
D-dimer, mg/L	<0.22	1.79	(0.78-3.7)	1.450	0.68-3.95	0.287

The haematological routine test and coagulation parameters were compared between severe and non-severe groups (Table 3). Statistically, all variables except platelet counts show differences significantly. In the severe group, we found higher haemoglobin levels (13.55 g/dl), higher leukocyte levels ( $8.6 \times 10^9/L$ ), eosinopenia (0.1%), neutrophilia (79.5%), lymphopenia (12.45%) with the ALC median (1060.5), and the increase of NLR (6.43). In addition, we found prolonged PTT (11.65 s) and prolonged APTT (29.2 s) in the coagulation parameter. Meanwhile, the increase in D-dimer (2.02 mg/L) was higher in severe cases.

**Table 3.** Comparison of Laboratory Parameters between Non-Severe and Severe Group

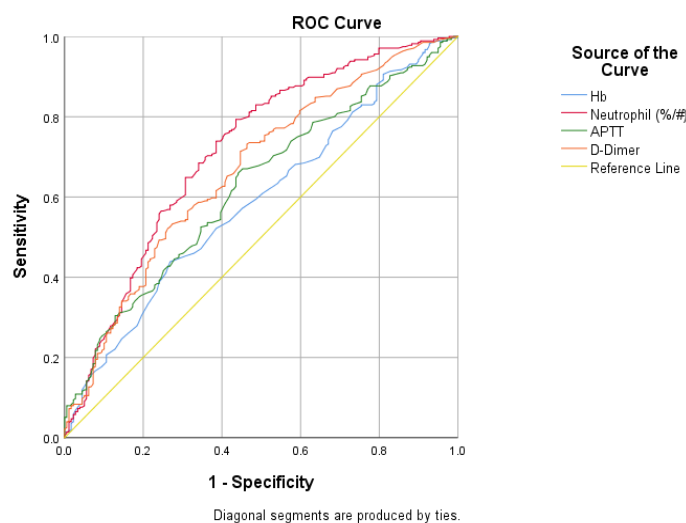
Variables	Normal Range	Non-Severe N = 179		Severe N = 276		P
		Median	Range	Median	Range	
Hemoglobin, g/dL	12.0-18.0	12.9	11.3-14.1	13.55	11.7-14.7	0.001
Leukocytes, $\times 10^3/L$	4.0-10.5	7.1	5.7-9.7	8.6	6.3-11.5	0.001
Platelet count, $\times 10^3/L$	150-450	260	204-338	241	186.0-332.5	0.162
Eosinophil, %	1.0-3.0	0.6	0.1-2.1	0.1	0.0-1.0	<0.001
Neutrophil, %	50-81	68.8	60.3-77.6	79.15	72.2-85.2	<0.001
Lymphocyte, %	20-40	21.0	13.9-27.1	12.45	8.0-18.4	<0.001
NLR		3.2	2.2-5.7	6.43	3.9-11.2	<0.001
ALC		1496	1147-1898	1060.5	742-1476	<0.001
PTT, s	9.9-13.5	11.2	10.4-12.3	11.65	10.9-12.8	<0.001
APTT, s	22.2-37.0	27.2	25.6-30.3	29.2	26.6-33.5	<0.001
D-dimer, mg/L	<0.22	0.96	0.5-2.1	2.02	0.9-4.9	0.000



**Table 4.** Factors associated with COVID-19 Severity using Univariate and Multivariate Logistic Regression Analysis

Variables	OR	95% CI		P
		Lower	Upper	
<b>Univariate Analysis</b>				
Hb	1.124	1.045	1.210	<b>0.002</b>
Leukocyte	1.035	0.995	1.076	0.088
Eosinophil (%)	0.710	0.609	0.828	<b>0.000</b>
Neutrophil (%)	1.072	1.052	1.092	<b>0.000</b>
Lymphocyte (%)	0.918	0.896	0.939	<b>0.000</b>
NLR	1.098	1.054	1.145	<b>0.000</b>
ALC	0.999	0.999	0.999	<b>0.000</b>
PTT	1.186	1.051	1.340	<b>0.006</b>
APTT	1.093	1.050	1.139	<b>0.000</b>
D-Dimer	1.287	1.165	1.422	<b>0.000</b>
<b>Multivariate Analysis</b>				
Age	1,051	1,032	1,071	<b>&lt;0,001</b>
Hb	1,239	1,125	1,365	<b>&lt;0,001</b>
Neutrophil (%)	1,066	1,044	1,088	<b>&lt;0,001</b>
APTT	1,076	1,031	1,122	<b>0,001</b>
D-Dimer	1,250	1,110	1,407	<b>&lt;0,001</b>

In multivariable logistic regression (Table 4), we found that older age [Odds Ratio (OR): 1.051, 95% Confidence Interval (CI): 1.032-1.071,  $p < 0.001$ ], high hemoglobin (OR: 1.239, 95% CI: 1.125-1.365,  $p < 0.001$ ) and neutrophilia (OR: 1.066, 95% CI: 1.044-1.088,  $p < 0.001$ ) have a correlation for the severity. Prolonged APTT is one of the severity predictors that will increase the risk 1,076 times (95% CI: 1.031-1.122,  $p = 0.001$ ). Increased D-dimer was the independent predictor with the highest odds ratio 1.250 times (95% CI: 1.110-1.407,  $p < 0.001$ ) for severity.



**Figure 1.** Receiver operator characteristic curve for Hb, Neutrophil, APTT and D-dimer to predict severity





**Table 5.** The area under the receiver operating characteristic (ROC) curve (AUC) of the studied parameters in predicting severity

Variables	AUC	P Value	95% CI	Cut Of Value	Sensitivity	Specificity
Hb	0.588	0.001	0.535-0.641	13,9500	43,8%	73,2%
Neutrophil (%)	0.715	<0.001	0.665-0.764	70,5000	79,3%	56,4%
APTT	0.623	<0.001	0.571-0.675	27,5500	65,9%	55,9%
D-Dimer	0.667	<0.001	0.616-0.718	1,0050	73,2%	53,6%

On the Receiver Operating Characteristics (ROC) curve, neutrophils were obtained with a high area under the curve (AUC) of 0.715 and considered to be a good predictor in determining severity with a cut-off value of 70.5%, the sensitivity of 79.3%, and the specificity of 56.4%. The D-dimer with the highest odds ratio in the previous multivariate analysis had an AUC efficacy of 0.667 with a cut-off value of 1,005, sensitivity of 73.2%, and specificity of 53.6%. APTT obtained a minimal prolongation, cut-off of 27.55 seconds with a sensitivity of 65.9% and a specificity of 55.9%. Meanwhile, haemoglobin obtained the lowest AUC 0.588 with a cut-off value of 13.95 mg/dl with 43.8% sensitivity and 73.2% specificity.

In this study, age became a predictor factor of severe COVID-19, with the odds risk was 1,015 times developed to be more severe. In comparative trials, severe degree patients were 53 years old (range 45-60), while those with mild symptoms were 45 years old (range 33-53). A study of patient characteristics showed severe symptoms were shown in older age. At our hospital, we confirmed that age is a predictor of severe COVID-19.

### ***Haematological factors***

There are still very few studies that have conducted meta-analyses regarding altered Hemoglobin (Hb) levels in patients infected with SARS-CoV-2. Two of five studies got similar results in this study. A dataset of 53 patients predicting the severity of COVID-19 and progression of ARDS found higher Hb levels to be associated with poorer outcomes. In that model, Alanine Transaminase (ALT), myalgia, and Hb was the most predictive feature with an accuracy above 70%.<sup>9</sup> Subsequent studies mentioned a higher rate of mortality in patients with higher Hb levels. However, in patients who required tracheal intubation, they found lower Hb levels.<sup>10</sup> Meanwhile, the other three studies showed different things, where the lower Hb level indicated patients with high mortality with severe disease. A journal that compared patients with ICU care, general care, and home care showed a significant difference where the ICU group showed lower Hb levels.<sup>11,12</sup> Other studies show in the acute phase shows high values. But the evolution of Hb shows a slow and progressive decrease, no patients suffer from severe anemia. The underlying mechanism of Hb level in COVID-19 still needs to be studied further.<sup>11,12</sup>

A study by Hui Shi et al. found that the critical role of neutrophils in COVID-19 was shown from neutrophil activation marker sa00A8/A9 (calprotectin), which was significantly higher in patients with severe COVID-19 who needed mechanical ventilation than those who did not need it. This neutrophil marker is considered an inflammatory trigger in COVID-19 pneumonia.<sup>13</sup> Neutrophils mentioned as effector cells in SARS-CoV-2 infections account for 50-70% of all leukocytes. Neutrophils are first responders to many infections and play an essential role in the critical hemostatic function of chronic inflammatory diseases.<sup>14</sup>



Neutrophils themselves are still closely related to the effects of coagulopathy in severe patients. Neutrophilia is said to increase organ injury and coagulopathy through direct tissue infiltration and the formation of Neutrophils Extracellular Traps (NET).<sup>13,15</sup>

Some studies have shown neutrophilia have been associated with the severity of COVID-19 patients. Some studies do prove more about neutrophils coupled with lymphocytopenia, characterized by high NLR. Research by Ma et al. shows NLR as a biomarker to identify severe COVID-19 with moderate to severe ARDS.<sup>16</sup> In this study, NLR also had a significant association, but neutrophilia independently became a predictor of severity with high efficacy evidenced from multivariate analysis and ROC results. Other previous studies have only shown a comparison and association with severity.

### ***Coagulation Factors***

Studies showed that coagulation disorders in COVID-19 patients were slightly different than in sepsis-induced coagulopathy (SIC) dan disseminated intravascular coagulation (DIC).<sup>6,17</sup> A series of studies in China on COVID-19 patients, a significant elevated D-dimer is often found in severe cases. However, this condition is only accompanied by a mild prolonged PTT and APTT. At the same time, severe thrombocytopenia is infrequent, although mild thrombocytopenia occurs in severe 70-95% of COVID-19.<sup>18</sup> The coagulation patterns distinguish from DICs.<sup>17</sup> Research by Martin-Rojas et al. did not demonstrate consumption of coagulation factors, as seen in DIC. But, D-dimer is an independent predictor of possible thrombotic events in COVID-19 patients.<sup>19</sup>

This is in line with our 455 patients, where D-dimer even became the independent predictor with the highest odds ratio with a cut-off of 1.005 mg/L, 1.6 fold from the normal value. However, in determining severity, D-dimer only has an AUC of 0.667. In other research about predictors for outcome shows a higher cut-off two-fold from normal value with the AUC above 0.7. Another study that conducted prediction tests on mortality showed the D-dimer cut off >2.14 mg/L with an AUC of 0.85. D-dimers appear to show significant results on some research more consistently to predict severity and mortality.

Meanwhile, as explained earlier that PTT and APTT can be normal and prolonged. In this study, APTT > 27.55 s showed 1,076 odds to severe infections. Several other studies were found in prolonged PTT with an odds ratio of 2.19 (95% CI: 1,283- 3,733, P=0.004) being a predictor of poor outcome.<sup>20</sup> Another study by Long et al. on 115 patients found PT and D-dimer in admission were predictors of poor outcome with AUC 0.643 and 0.742.<sup>21</sup>

Coagulation disorders are associated with the cytokine storm in COVID-19 infection. SARS-CoV-2 rapidly activates Th1 cells to secrete pro-inflammatory cytokines, such as granulocyte-macrophage colony-stimulating factor (GM-CSF) and interleukin (IL)-6. GM-CSF activates CD14+ CD16+ to produce IL-6, tumour necrosis factor- $\alpha$  (TNF- $\alpha$ ), and IL-1. These cytokines are said to be expected in patients with sepsis and are associated with hypercoagulation. IL-16 is a crucial cytokine found in COVID-19 patients due to lung tissue damage and inflammation. Interestingly, this IL-6 stimulates the production of fibrinogen and factor VIII. The cytokine storm also causes severe inflammation and triggers endothelial injury and thrombosis.<sup>22</sup> Some post mortem data from patients with COVID-19 pneumonia shows pulmonary blood vessels are similar to oedema of blood vessel walls, hyaline thrombosis, hemorrhagic changes, and infarction.<sup>23,24</sup>



## CONCLUSION

Age, high haemoglobin level, neutrophilia, prolonged APTT, and elevated D-dimer were predictors of severe COVID-19. Elevated d-dimers have a high risk of severe infection, while neutrophilia shows the highest efficacy value of severity. Neutrophilia and impaired coagulation are associated due to a cytokine storm. Neutrophilia was also causing injury and coagulopathy. Analysis of the role of haemoglobin seems to need to be built. Our findings were crucial for early diagnosis, stratification, and intervention to severe conditions in patients with coagulation disorders. More evidence is needed with further research in other centres in Indonesia to construct data in Southeast Asia.

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PROGRAM BOOK

# ITTP COVID19 ASEAN EVENT

International Teleconference on Technology and Policy for  
Supporting Implementation of COVID-19 Response and Recovery Plan  
in Southeast Asia

## 6-8 August 2021

- ASEAN COUNTRY LEADERS INITIATIVE SHARING ●
- ASEAN POLICY DISCUSSION ● PRODUCT EXHIBITION ●
- SCIENTIFIC PAPER PRESENTATION ● AWARD CEREMONY ●
- CULTURE EXPOSURE ●



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## **PREFACE**

It is an utmost pleasure to welcome you to the International Teleconference on Technology and Policy for Supporting Implementation of COVID-19 Response and Recovery Plan in Southeast Asia (ITTP-COVID19).

ITTP-COVID19 activities consist of ASEAN leaders sharing, Scientific Paper Presentation, ASEAN Policy Group Discussion, Product Exhibition and ASEAN Tourism and Culture Exposure, which will be conducted virtually from 6th – 8th August 2021. It is organized by 27 Top Universities in Southeast Asia in collaboration with ASEAN Secretariat, ASEAN University Network, government agencies, industries and associations with the same objective of ensuring the success of COVID-19 response and recovery efforts, in the Southeast Asia region.

ITTP-COVID19 provides a platform for academicians, governments, industry players, and non-governmental organizations to discuss research findings, research proposals, and experience in managing COVID-19 response and recovery plans in Southeast Asia.

Ever since the start of COVID-19 outbreak in late 2019, numerous difficulties and challenges have been faced by countries around the world, including the Southeast Asia region. It is believed that COVID-19 recovery and survival could not be pursued and contained only within national boundaries due to Southeast Asian countries' interconnection. This has led to a group of experts with different backgrounds taking action by proposing activities involving Southeast Asian countries, which is now called the ITTP-COVID19.

Thus, we strongly believe that ITTP-COVID19 is the best platform to address, discuss the issues and findings related to implementation progress of COVID-19 response and recovery plan in Southeast Asia.

Looking forward to meeting you at ITTP-COVID19 conference.

## INTRODUCTION SPEECH



**Prof. Ir. Dr. -Ing. Eko Supriyanto**  
**ITTP-COVID19 General Chairman**

*Selamat pagi, Good morning, Sawadee ton chaw khap, Aroun soustei, Buoï sang tot lanh, Magandang umaga, Sabaidi ton sao, Men gla nenateinpa.*

H.E. Dato Lim Jock Hoi Secretary-General of ASEAN, H.E. Prof. Sirirung Songsivilai, M.D., Ph.D., Permanent Secretary, Ministry of Higher Education, Science, Research and Innovation, Thailand and Chairman of The AUN Board of Trustees, H.E Hor Moniroth, State Secretary, Ministry of Tourism, Cambodia, Dr. Imran Pambudi MPH, Deputy Director, Ministry of Health, The Republic of Indonesia, Prof. Datuk TS. Dr. Ahmad Fauzi Bin Ismail, Vice Chancellor, Universiti Teknologi Malaysia, Prof. Ari Kuncoro, S.E., M.A., PH.D Rector of Universitas Indonesia, honorary guest, ladies and gentlemen.

It is our great pleasure to welcome H.E., colleagues and students in the first International Teleconference on Technologies and Policies for Supporting Covid-19 Response and Recovery Plan in Southeast Asia (ITTP-COVID19). I would like to thank Universiti Teknologi Malaysia, Universitas Indonesia, Prince of Songkla University, Universitas Airlangga, Universitas Padjadjaran, Universiti Malaya, Universiti Putra Malaysia, Universiti Sains Malaysia, De La Salle University and Ateneo De Manila University which agree to host this conference & Office of Presidential Staff of Republic of Indonesia, ASEAN Secretariat, AUN and other Top Universities in Southeast Asia, and that have given full support to this conference can be hold starting today until 8 August 2021.

The idea to hold this conference started around 1 year ago, 8 months after first covid-19 virus detected in Bangkok. 27 university leaders, representative from ASEAN Secretariat and Chief of Indonesian



Presidential Staff have conducted a meeting on 2<sup>nd</sup> December 2020 to discuss plans for preparation of ITTP-Covid19. Since then, several activities have been conducted which includes four webinars for policy recommendation formulation, which have been attended by more than 2000 participants, to discuss on ASEAN Travel Certificate, Enterprises Internationalization, Tourism Digital Zoning and Digital Security Standard. Besides, we also established a scientific committee to look into research findings related to Covid-19 response and recovery plan in the area of Health Sciences, Social Sciences, Engineering and Natural Sciences.

There are around 204 Professors and Top Researchers involved in these initiatives for around 6 months. There are 325 Papers that have been accepted to be presented in this conference. Moreover, through this committee, we have also successfully conducted 3 online seminars related to Publication, Mindfulness and Cybersecurity. More than 40 researchers have collaborated to conduct multi-centres joint researchers, which involve more than 100 students.

In addition, we also continuously establish and maintain links with government agencies, industries and associations in Southeast Asia. More than 3000 people from Industry, University, Government and Associations across ASEAN countries are engaged in these initiatives. These four initiatives will be further strengthened in a three days international conference consisting Policy discussion, Parallel paper presentation, Product exhibition and Culture performance. This morning we have an opening ceremony and ASEAN leaders sharing. This afternoon we will have a paper presentation which will be hosted by 9 universities in parallel. We also have a product exhibition from our industry partner. Tomorrow, our 4 policy working groups will present their results, and finalize the policy recommendation. After the paper presentation and product exhibition on 8 August 2021, we will have an award ceremony and culture exposure. 9 best paper awards will be given. Besides, there are 3 most contributing university awards that will also be given. Besides, 14 universities from 10 countries will share culture performance as Covid-19 solidarity in this ASEAN Day. For this, we would like to invite all participants of this conference to attend this closing ceremony.

Last but not least, I would also like to inform, that this ITTP-COVID19, will not end on 8 August 2021. We will continue this initiative until 2023. We will have second and third conferences that will be hosted by various universities. We will also continue our webinar to formulate policy recommendations, which will be hosted by all 27 universities in various topics. We also try to ensure that the formulated policy recommendation can be implemented in Southeast Asia.



Besides, we will continue and strengthen the research, teaching and innovation collaboration among the university members.

For this purpose, we would like to have continuous support from all universities members, government agencies and industries across ASEAN. This support is very important for us to sustain this initiative so that the impact of this activity can be obtained by ASEAN people as our effort to support the implementation of Covid-19 response and recovery plan in Southeast Asia. Last but not least, we have a series of events during these three days, please visit all our activities, and see you again in the closing ceremony. Door Prizes, Award and interesting Performance are waiting for you.

Thank you again to everyone and we wish everyone in a good health.



## WELCOMING SPEECH 1



**Prof. Datuk Ts. Dr. Ahmad Fauzi Bin Ismail**  
**Vice Chancellor, Universiti Teknologi Malaysia**

Bismillahirrahmanirrahim.

Assalamualaikum and greetings to H.E. Dato Lim Jock Hoi, ASEAN Secretary General, Prof. Ari Kuncoro, S.E., M.A., Ph.D., Rector, Universitas Indonesia, Prof. Sirirug Songsivilai, M.D., Ph.D., Permanent Secretary, Ministry of Higher Education, Science, Research and Innovation, Thailand and Chairman of The AUN Board of Trustees, President Of Universities In Southeast Asia, and Prof. Ir. Dr. –Ing. Eko Supriyanto, ITTP-COVID19 General Chairman, distinguished guests, ladies and gentlemen.

First and foremost, it is our great pleasure to welcome H.E., colleagues, friends and students in the first International Teleconference On Technologies And Policies For Supporting Covid-19 Response And Recovery Plan In Southeast Asia (ITTP-COVID19). Ladies and Gentlemen, ITTP-COVID19 is one of the most important events organized by 27 top universities in Southeast Asia in response to the Covid-19 pandemic. This includes joint research, joint publication, joint webinar, and forum group discussion to initiate, develop, formulate and publish policies and technologies recommendation to support covid-19 response and recovery plan in Southeast Asia. I believe the ITTP-COVID19 is a perfect platform for leading academics, industrial experts, consultants, scholars, researchers, governments and policy makers with different backgrounds to exchange information on current and future technology and policy for COVID-19 New Normal, to share experience on implementation of technology and policy roadmap for post COVID-19 New Normal in Southeast Asia. The collaboration involves Southeast Asian countries sharing rewards as well as risks.



There should be no barrier for working together. Instead, more efforts should be made to compliment one another's strengths so that breakthrough innovations may emerge and be effectively replicated across organisations. At a time when COVID19 is wreaking havoc across the world costing lives and disturbing livelihoods, collaboration among the Southeast Asian countries, which is now called, the ITTP-COVID19 is the key to building resilience and ensuring the success of COVID-19 recovery efforts, especially in the Southeast Asian region.

Distinguished guests, ladies and gentleman,

ITTP-COVID19 exemplifies the true spirit of UTM enVision 2025 who's core values are to develop holistic talents by developing high quality graduates and to strengthen UTM's R&D&C&I capability and resilience to champion emerging knowledge and research areas. Not only that, it is also to nurture strategic nexus between University-Industry-Government-Community (the quadruple helix) ecosystem to sustain university growth and also to achieve global eminence as a distinguished Malaysia Research University in-line with national and global agenda. Through the ITTP-COVID19, the core values has proven right by bringing together twenty-seven leading universities in Southeast Asia, together with the support from the ASEAN University Network Secretariat, other government agencies, and industries, to establish a joint initiative to recover from the COVID-19 pandemic. I am pleased to see ITTP-COVID19 paving the way towards a vibrant partnership to enculture and proliferate the best exit strategy from the COVID-19 crisis.

Ladies And Gentlemen, Once again, I would like to congratulate the organizing team led by ITTP-COVID19 General Chairman, Prof. Ir. Dr. -Ing. Eko Supriyanto, Universiti Teknologi Malaysia and Universitas Indonesia, in collaboration with twenty-seven other leading universities in Southeast Asia for the noble initiative to establish a consolidated exit strategy from the COVID-19 crisis. I must also thank the speakers and all those who have contributed in one way or another toward making this event a success. To all participants and attendees, I wish you all a great experience and much valuable knowledge at ITTP-COVID19. Take care and stay safe. – Kerana Tuhan Untuk Manusia -

Thank you, Barakallah, Assalamualaikum.



## WELCOMING SPEECH 2



**Prof. Ari Kuncoro, S.E., M.A., Ph.D**  
**Rector, Universitas Indonesia**

Bismillahirrahmanirrahim.

His excellency ASEAN Secretary General, Dato Lim Jock Hoi, Honorable Executive Director of the ASEAN University Network, Dr. Choltis Dhirathiti, Honorable Vice Chancellor Universiti Teknologi Malaysia, Prof. Datuk Dr. Ahmad Fauzi bin Ismail, Respected speakers and resource persons from various reputable institutions in Southeast Asian Countries and distinguished participants of the ITTP Covid-19.

Assalamu'alaikum warahmatullahi wabarakatuh. Very good morning and warmest greeting from the Green Sustainable Campus of Universitas Indonesia. First of all let's praise our God Almighty for His blessings to all of us, so today we can gather in this event in a prosperous healthy condition. We continuously pray to Him, asking abundant strength to face this Covid-19 pandemic. May He lift up this pandemic from our one earth and let us back to our normal life. I am honoured to welcome all of you to the International Teleconference on Technology and Policy for Supporting Implementation of Covid-9 Response and Recovery Plan in Southeast Asia. Universitas Indonesia and Universiti Teknologi Malaysia jointly initiated this teleconference as one of our collaborative activities. This teleconference is in line with the mission of Universitas Indonesia to develop science, technology, culture, and art; and dedicate it to the improvement of human wellbeing, happiness, and prosperity.



In this teleconference scientists, professionals, and government leaders from ASEAN countries will meet and share their knowledge, inventions, and experiences in dealing with the Covid-19 pandemic. We expect that this meeting of minds will result in new ideas and inspire new innovations in combating Covid-19 and overcoming its effects.

Distinguished guests, ladies, and gentlemen,

As we are all aware and have experienced, Covid-19 pandemic is borderless. It has affected almost all aspects of human life. We can say that this pandemic has changed human civilization. As an academic community we are responsible to participate in national, as well as regional and global efforts to control the Covid-19 pandemic. We must share as much as possible contribution to various initiatives in controlling the pandemic, as well as in mitigating and coping with its effects on various development sectors. It is our challenge to shift our research and innovative activities focus on matters that will improve our resilience. We have to direct our research and innovation to areas that are very much affected by Covid-19, and to aspects that are needed to control the pandemic. In a situation where we experience significant economic reduction, we should relocate our resources to support needed research and innovation. On the other hand, we must maintain the quality of teaching and learning to ensure the provision of quality education. We have to modify and enrich our curriculum and adjust our teaching and learning method, so that we can equip our students with necessary competence to deal with the challenges that they have to face in their future. Distinguished guests, ladies, and gentlemen. Facing these all challenges and priorities, we recognise two most powerful keywords: cooperation and collaboration. In this tough situation we cannot survive by ourselves. We believe that we cannot save ourselves unless everybody is safe. Covid-19 pandemic is a borderless event, and we need to stick together to survive and keep developing. On August 8<sup>th</sup> 1967 foreign ministers of Indonesia, Malaysia, the Philippines, Singapore and Thailand signed a document that became the mark of the establishment of the Association of Southeast Asian Nations or ASEAN. The document spelled out that the aims and purposes of ASEAN were about cooperation in the economic, social, cultural, technical, educational, and other fields, and in the promotion of regional peace and stability through abiding respect for justice and the rule of law and adherence to the principles of the United Nations Charter. It proclaimed ASEAN as representing “the collective will of the nations of Southeast Asia to bind themselves together in friendship and cooperation, and through joint efforts and sacrifices, secure for their peoples and for posterity the blessings of peace, freedom and prosperity”. This ASEAN spirit is totally relevant with the current situation that we are facing. And we, as an academic community, should show our initiative and leadership in promoting this spirit. In this circumstance we encourage all of us to strengthen cooperation and collaboration among us.



Besides cooperation and collaboration in education and research, we strongly propose to promote our collaboration in regional efforts for controlling Covid-19 pandemic and its effects. We expect that this teleconference can be an initial small step for a bigger collective contribution of ASEAN universities to combat the pandemic, overcome its adverse effects, and provide the impetus for speedy recovery of the ASEAN Region.

Distinguished guests, ladies, and gentlemen,

We will not be able to make this teleconference happen without contributions of many parties and many people. First of all, let me deliver my sincere thanks to all the members of the Advisory Board, Steering Committee, Scientific Committee, and Organising Committee of the ITTP Covid-19. I am proud and grateful for the hard work of all persons involved. Thank you so much for your time, thoughts, and efforts to make this teleconference a successful one. My deep thanks and appreciation go to 27 universities that have supported this event, participated in all webinars and discussions, and provided significant contributions. I thank you for your meaningful share for this teleconference. Last but not least, I thank all academicians, lecturers, and students, who have submitted research papers to be presented in free paper presentation sessions. I also thank all the participants of this teleconference. I hope we will have a truthful discussion during the sessions and may all of you enjoy the teleconference. Thank you so much for your participation, and I'm looking forward to stronger cooperation and more meaningful collaboration among ASEAN universities. May God bless us always.

Wassalamu'alaikum warahmatullahi wabarakatuh.



## OPENING SPEECH



**Prof. Sirirung Songsivilai, M.D., Ph.D.**

**Permanent Secretary**

**Ministry of Higher Education, Science, Research and Innovation,**

**Thailand and Chairman of The AUN Board of Trustees**

Prof. Ir. Dr. –Ing. Eko Supriyanto, ITTP-COVID19 General Chairman, Prof. Datuk Ts. Dr. Ahmad Fauzi bin Ismail, Vice Chancellor, Universiti Teknologi Malaysia, Prof. Ari Kuncoro, S.E., M.A., Ph.D, Rector, Universitas Indonesia, honorable guests, distinguished participants, ladies and gentlemen.

It is indeed my great pleasure to deliver an opening speech in this important gathering among distinguished participants. I would like to take this opportunity to congratulate the ITTP-COVID19 Committee for successfully organizing the first International Teleconference on Technology and Policy for Supporting Implementation of COVID-19 Response and Recovery Plan in Southeast Asia. My sincere appreciation also extends to the Universiti Teknologi Malaysia and Universitas Indonesia for kindly hosting this event. The ITTP-COVID19 is strategically invented as a platform for university-industry and policy collaboration to address several emerging challenges resulting from the outright pandemic and to support the Implementation Plan of ASEAN Comprehensive Recovery Framework. I was also glad to observe the progress of this establishment which has been confirmed by the successful organization of the four expert meetings in Travel Certificate, Enterprise Internationalization, Mindfulness, Tourism Zoning, and ASEAN Digital Security and Interoperability Standard. The results of which will be further discussed in the coming programs.

On behalf of the ASEAN University Network, I realize a close alignment between the work of ITTP-COVID19 and the aims of AUN to facilitate, strengthen and expand cooperation in higher education and serve as the educational platform in contribution to the building of ASEAN Community. In addition to the AUN 30 core members and associate member universities that are the main force of the Network, AUN also promotes research collaboration through the Thematic Networks, which essentially are the sub-network of specific field of cooperation, For example, AUN Southeast Asia Engineering Education Development Network, or AUN/SEED-Net. This network is a close cooperation with Japan in the Engineering field. AUN Health Promotion Network, AUN Human Rights Education, AUN Disability and Public Policy Network and AUN University Social Responsibility and Sustainability Network. And the two Networks, recently established to strengthen academic cooperation in the areas of technology and innovation that align with the work of the ITTP-COVID19, namely, The Technology Enhanced and Personalized Learning and the University Innovation and Enterprises Networks. These Thematic Networks are the AUN's attempt to promote wider cooperation in the region in specific disciplines and topics. I am also pleased to announce that the ASEAN Committee of Science, Technology and Innovation or COSTI, where I am in my capacity as a Chairperson, has agreed to be the Lead Sectoral Body for the cross-pillar issue on Education in Science and Technology, which identified five themes for future COVID-19 collaboration, namely Genomics, ASEAN Diagnostic Development (DxD) Initiative, Biosurveillance, Platform for Information Sharing, and eCapacity Building to enhance technical expertise to strengthen ASEAN's preparedness against the pandemic.

Distinguished Participants, ladies and gentlemen, we can hope for the better only when all these attempts are intensified and consolidated to articulate our responses to the different stages of recovery while being prepared to handle the challenges of slow, gradual, and cautious return to normality that we all have to cope with. Once again, I wish to extend my appreciation to the experts, speakers, and distinguished participants for your precious time and generous support which help to make this event possible. I hereby declare this meeting open, and wish you all success in your honorable deliberation.

Thank you very much.

## KEYNOTE SPEECH



**H.E. Dato Lim Jock Hoi**  
**ASEAN Secretary General**

Dear Excellencies, Distinguished Guests, Ladies and Gentlemen,

It is a privilege for me to address you today in the opening of the Conference of the International Teleconference on Technology and Policy for Supporting Implementation of COVID-19 Response and Recovery Plan in Southeast Asia (ITTP-COVID19). I would like to extend my gratitude and congratulate the organisers for initiating such a pivotal initiative where academics in the region convene to engage in meaningful research and discussions on the COVID-19 recovery. The initiative comes at an opportune time as the region is currently grappling with the raging Delta variant. The fast-moving nature of COVID-19 requires a whole-of government and whole-of-society response, backed by solid and grounded scientific evidence, to ensure sustainable and inclusive recovery of the region.

Excellencies, ladies and gentlemen,

ASEAN is known for its stability and enormous economic potential, considering the region's steady growth prior to the COVID-19 outbreak. ASEAN is also projected to be the fourth largest economy by 2030, putting ASEAN as a competitive trade partner and attractive investment destination. The COVID-19 pandemic, however, has undermined the region's economic stability.



Key sectors were severely hit, especially those linked to travel and other contact-sensitive sectors, adding millions of unemployment, affecting MSMEs, women, low-income, and informal workers.

Whilst the region's economy is expected to recover by 4 percent this year, and an even more promising 5.2 percent next year, this is contingent upon our collective ability to contain the virus and the progress of our vaccination programmes. ASEAN responded early and swiftly to work together in combating the pandemic since the crisis began. We quickly recognised the need for a whole-of-ASEAN community approach to ensure the effectiveness of our responses to the crisis. This led to the setting up of the ASEAN Coordinating Council Working Group on Public Health Emergencies (ACCWG-PHE), a dedicated ASEAN body comprising senior-level officials from the three Community Pillars, to coordinate on ASEAN's response efforts. This has led to a number of concrete initiatives, such as the launch of the COVID-19 ASEAN Response Fund and the ASEAN Strategic Framework on Public Health Emergencies. Beyond health responses, as well as efforts to mitigate the socio-economic impacts of the pandemic, ASEAN has also kept its open market commitment intact, making sure our supply chains are connected, especially for essential products. Apart from strengthening our economic integration agenda, we are also collaborating actively with our external, including FTA, partners to overcome the crisis. In addition to issuing a number of joint statements on committing to keep markets open and supply chains connected, the recently signed Regional Comprehensive Economic Partnership (RCEP) helps boost the much-needed market confidence and supports the regions' recovery.

Excellencies, Ladies and Gentlemen,

Allow me to draw your attention to the centrepiece of ASEAN's recovery efforts, namely the ASEAN Comprehensive Recovery Framework (ACRF) which was adopted at the 37th ASEAN Summit in November 2020. The Framework, which serves as our exit strategy from the crisis, identifies five broad strategies around health, human security, economic integration, digital transformation, and sustainability. At the core of the Framework is the people of ASEAN, especially vulnerable groups and sectors that have been hit hardest. Since its adoption to date, the following are key highlights of the ACRF implementation progress. First, ASEAN recognises the importance in improving the **capacity of the health sector to effectively respond to the pandemic**. To this end, the establishment of the ASEAN Centre for Public Health Emergencies and Emerging Diseases is an important milestone in ensuring a swift and appropriate response towards the health crisis in the region. This was complemented by the adoption of the Regional Strategic and Action Plan on ASEAN Vaccine Security and Self-Reliance for 2021-2025, which will 3 further facilitate vaccine-related collaborations in the region, and the commencement of the ASEAN COVID Genomics Project to support public health policy-making in containing the spread of infections and enhance the health system.







Second, ASEAN places attention on **strengthening human security** to support resiliency for different communities by improving the protection and empowerment of all people and all communities. To guide these efforts, immediate priority is to enhance social protection and to strengthen food security and food safety for vulnerable groups. Initiatives on human resources development are also ongoing with the promotion of reskilling and upskilling for employment, along with ensuring the well-being of workers through social dialogue and the engagement of multiple stakeholders, including academics, students and youth. In this regard, I am pleased to acknowledge the support of the ASEAN University Network Secretariat on the initiatives of the ITTP-COVID-19 in supporting ASEAN's COVID-19 response & recovery plan. Third, ASEAN is **leveraging the momentum of digital transformation to boost the economy and adapt to the post-COVID-19 world**. Key priorities in this area include the promotion of e-commerce, as well as other initiatives on the use of ICT in education and digital transformation of MSMEs. For example, we have just launched the ASEAN Access last month, which serves as a one-stop business information gateway for international-oriented businesses to expand their market outreach within the ASEAN and beyond. Last, but not least, is our commitment **to advance towards a more sustainable and resilient future**, ensuring that ASEAN's recovery will be long-lasting and inclusive, and environmentally responsible. Emphasising that 'business as usual' is no longer an option for ASEAN in the post pandemic world, ASEAN remains committed to achieving sustainability in all dimensions, from investment, energy, agriculture, infrastructure, disaster management, to financing.

Excellencies, Ladies and Gentlemen,

Unprecedented challenges require extraordinary actions. Whilst significantly altering the socio-economic landscape of the region, the pandemic can create opportunities for reforms and innovative solutions. Although I am optimistic with our efforts in combating the pandemic, we need to remain vigilant in ensuring that the virus is managed and contained, as this is a prerequisite to our recovery. More than ever, collaborative efforts across sectors, as well as stronger multi stakeholder partnerships, including with the private sectors and academic communities, will be key for ASEAN as it pursues its journey towards post pandemic recovery. I thank you for your attention, and I wish you a successful conference.





## LIST OF SCIENTIFIC COMMITTEE

### HEALTH SCIENCES

<b>Chair I</b>	Prof. dra. Fatma Lestari MSI Ph.D. (Universitas Indonesia)
<b>Chair II</b>	Prof. Dr. Nancy Margarita Rehatta (Universitas Airlangga)
<b>Chair III</b>	Dr. Ronny Lesmana M.Kes Aifo Ph.D. (Universitas Padjadjaran)
<b>Member</b>	Dr Anni @ Nik Ani Afiqah Mohamad Tuah (Universiti Brunei Darussalam)
	Dr. Ith Saveng (Royal University of Phnom Penh)
	Muhammad Miftahussurur, dr., Sp.PD, M.Kes.Ph.D, FINASIM (Universitas Airlangga)
	Prof. Dr. Maria Inge Lusida, dr., SpMK (Universitas Airlangga)
	Prof. Dr. Umi Athiyah, MS., Apt (Universitas Airlangga)
	Prof Dr. Aryati, MS Sp.PK(K) (Universitas Airlangga)
	Dr. Santi Martini, dr., MKes (Universitas Airlangga)
	Dr. Purwati, SpPD(K) (Universitas Airlangga)
	Dr. Hanik Badriyah Hidayati, dr., Sp.S(K) (Universitas Airlangga)
	Prof. Dr. Kuntaman, dr, MS, SpMK(K) (Universitas Airlangga)
	Dr. dr. Margarita Maria Maramis, Sp.KJ(K). (Universitas Airlangga)
	Prof. Dr. Ni Made Mertaniasih, dr., MS., Sp.MK(K). (Universitas Airlangga)

	Prof. Dr. Kusananto S.Kp., M.Kes (Universitas Airlangga)
	Dr. Reny U'tishom, M.Si (Universitas Airlangga)
	Dr. Alpha Fardah Athiyah, dr, SpA(K) (Universitas Airlangga)
	Dr. Dominicus Husada, dr., SpA(K) (Universitas Airlangga)
	Dr. Erwin Astha Triyono, dr., Sp.PD., KPTI., FINASIM (Universitas Airlangga)
	Dr. R. Azizah S.H., M.Kes. (Universitas Airlangga)
	Prof. Dr. Ririh Yudhastuti, drh., M.Sc. (Universitas Airlangga)
	Trias Mahmudiono S.KM, MPH (Nutr.), GCAS, Ph.D (Universitas Airlangga)
	Dr. Lilis Sulistyorini, Ir., M.Kes. (Universitas Airlangga)
	Dr. Puspa Wardhani dr Sp.PK(K) (Universitas Airlangga)
	Prof. Dr. Ni Nyoman Tri Puspaningsih, M.Si (Universitas Airlangga)
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## ITTP-COVID19 PROGRAM INTRODUCTION

Twenty-seven (27) leading universities in Southeast Asia have come together with the support from ASEAN Secretariat, ASEAN University Network (AUN), Executive Office of the President of the Republic of Indonesia to establish a joined-up initiative to recover from the COVID-19 pandemic together, which is now known as ITTP-COVID19. International Teleconference on Technology and Policy for Supporting Implementation of COVID-19 Recovery Plan in Southeast Asia (ITTP-COVID19), a perfect platform for leading academics, industrial experts, consultants, scholars, researchers, governments and policy makers with different backgrounds to exchange information, share experience and also formulate and discuss common policy implementation roadmap for post COVID-19 New Normal in Southeast Asia. ITTP-COVID19 is a three-year plan initiative that includes several international programs such as conferences, webinars, innovation competition, and joint research. Ever since the start of COVID-19 outbreak in late 2019, numerous difficulties and challenges have been faced by countries around the world, including the Southeast Asia region. It is believed that COVID-19 recovery and survival could not be pursued and contained within national boundaries due to Southeast Asian countries' interconnectedness. Thus, ITTP-COVID19 conference was started as an initiative planned by a group of individuals (university, government and industry) from around Southeast Asian countries to cope with the COVID-19 pandemic. It is strongly believed that ITTP-COVID19 prepared by ASEAN is the best platform to highlight research developments, review policies, and exchange experiences that can support the ASEAN Comprehensive Recovery Framework, which is a consolidated exit strategy from the COVID-19 crisis.

# FULL PROGRAM OVERVIEW REGARDING PUBLISHING PAPER & PRESENTATION (UPDATE)

## 1. ABSTRACT & EXTENDED ABSTRACT SUBMISSION GUIDELINE

All abstracts will be subjected to a double-blind peer review process. Only original unpublished work is sought. Any extended abstracts identical or substantially like work already published or under review for another conference or a publication, will not be considered.

For your paper to be published in the ITTP-COVID19 conference proceeding, participants should refer to the instructions given below:

- Please ensure that your abstract is written according to the template:
  - (a) Abstract (Download Abstract Template here).
  - (b) Extended Abstract (Download Extended Abstract Template here).
- The language of the conference is English.
- Guideline (User Manual) for Authors for Online Submission (pdf).
- Online submission via the conference management system.
- Your paper will be subject to the standard refereeing procedures of the conference proceeding. Submission does not guarantee acceptance.

## ABSTRACT ASSESSMENT CRITERIA

Criteria	
Appropriateness to Conference Scopes <i>(Supporting Implementation of COVID-19 Response &amp; Recovery Plan; e.g. mention or show any relation towards COVID-19 response &amp; recovery plan)</i>	5
Potential Contribution to Southeast Asia Community	5
Objective	5
Methodology & Novelty	5
Result	5
<b>Total Marks</b>	

## 2. FULL PAPER SUBMISSION GUIDELINE

Selected papers will be invited to submit extended versions on their papers for consideration of publication in SCOPUS indexed journals (WITH ADDITIONAL FEES). The reviewer will suggest a suitable journal based on your scope and the quality of your full paper. (Download Full Paper Template here).

### FULL PAPER MARKING CRITERIA

30% of Total Marks	Contents	Novelty
		Contribution to ASEAN Community
		Scientific Contribution
10% of Total Marks	Writing	Format according to guideline
		Language, readability & writing style
60% of Total Marks	Completeness	Abstract
		Introduction
		Materials & Methods
		Results & Analysis
		Conclusion
		References



### 3. PRESENTATION GUIDELINE

- All presenters are suggested to limit their slide between 10 to 15 slides.
- All presenters should keep the slide simple. The presentation slide should consist of (Introduction, Methodology, Results & Discussion and Conclusion)
- The information included must be concise and brief. All references included must be cited correctly.
- All presenters are suggested to avoid sound effects and excessive slide transition.
- It is suggested for presenters to use common fonts (e.g. Arial, Times New Roman, Calibri) to avoid any further problems related to fonts.
- The figures included can be seen and labeled clearly.
- All presenters will be notified of their session date and time, a few weeks before the conference.
- The conference organizer will provide the link to a video conferencing platform for oral presentation.
- Each presenter will be given 10 minutes for the presentation and 5 minutes for the question and answer session. The session chair will stop the presentation when the presentation exceeds 15 minutes.
- All presenters are advised to wear appropriate attire.



## PROGRAM TENTATIVE

Friday, 6<sup>th</sup> August 2021

<i>Time (Malaysia Time)</i>	<i>Activity</i>	<i>Speaker</i>
07:30 – 08:00	Guest Registration	
08:00 – 08:30	Honorary Mention	MC
08:30 – 08:32	MC Opening	MC
08:32 – 08:35	Malaysia anthem song	MC
08:35 – 08:38	Indonesia anthem song	MC
08:38 – 08:41	ASEAN anthem song	MC
08:42 – 08:49	Introduction to ITTP-COVID19	<b>Prof. Ir. Dr. –Ing. Eko Supriyanto</b> ITTP-COVID19 General Chairman
08:50 – 08:55	Welcoming Speech 1	<b>Prof. Datuk Ts. Dr. Ahmad Fauzi bin Ismail</b> Vice Chancellor, Universiti Teknologi Malaysia
08:56 – 09:01	Welcoming Speech 2	<b>Prof. Ari Kuncoro, S.E., M.A., Ph.D</b> Rector, Universitas Indonesia
09:02 – 09:07	Opening Speech	<b>Prof. Sirirurg Songsivilai, M.D., Ph.D.</b> Permanent Secretary Ministry of Higher Education, Science, Research and Innovation, Thailand and Chairman of The AUN Board of Trustees
09:08 – 09:18	Keynote Speech	<b>H.E. Dato Lim Jock Hoi</b> ASEAN Secretary-General
09:19 – 09:39	Invited Speech 1 <b>Cambodia Initiative toward Implementation of ASEAN Tourism Digital Zoning</b>	<b>H.E. Hor Monirath</b> Secretary of State of the Ministry of Tourism Kingdom of Cambodia
09:40 – 09:45	Q&A Session	
09:46 – 10:06	Invited Speech 2 <b>Indonesia Initiative toward Implementation of ASEAN Health &amp; Travel Certificate</b>	<b>Dr. Imran Pambudi, MPH</b> National Health Quarantine – Indonesia MoH
10:07 – 10:12	Q&A Session	
10:12 – 10:17	<b>Photo Session</b>	
10:18 – 10:20	<b>Closing by MC</b>	
10:21 – 10:40	<b>Press Conference</b>	



**Saturday, 7<sup>th</sup> August 2021**

<i>Time (Malaysia Time)</i>	<i>Activity</i>	<i>Speaker</i>
08:50 -09:00	FGD Introduction	<b>Moderator</b>
9:00 - 10:00	Final Discussion on ASEAN SMART Mobile Certificate	<b>Dr. Auliya A. Suwantika</b> Member of Health Economics Working Group, Indonesian Technical Advisory Group on Immunization
10:00 -11:00	Final Discussion on ASEAN MSMEs Internationalization	<b>Assoc. Prof. Dr Telisa Aulia Falianty</b> Senior Assistant to Presidential Special Staff, Republic of Indonesia Senior Lecturer at Faculty of Economics and Business, Universitas Indonesia
11:00 - 12:00	Final Discussion on ASEAN Tourism Zoning Guideline	<b>Dr. Norhazliza Abd. Halim</b> Director Tourism Planning Research Group Universiti Teknologi Malaysia
12:00 - 13:00	Final Discussion on ASEAN Digital Security and Interoperability Standard	<b>Dr. Chalee Vorakulpipat</b> Head of Information Security Research Team at NECTEC, Thailand

## LIST OF PAPERS & PRESENTATION SCHEDULE

### HEALTH SCIENCES

DATE	6th AUGUST 2021 (FRIDAY)
TIME	14:00 - 15:00 (GMT+08)
SESSION	SESSION 1
HOST	UNIVERSITAS AIRLANGGA
CHAIR	DR. SANTI MARTINI dr., M. KES
CO-CHAIR	INGE DHAMANTI S.KM, M.KES, M.PH. Ph.D.

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
14:00 - 15:00	ITTP-T1-197	THE EVALUATION OF SAFETY AND HEALTH COMPLIANCE AT GLOVE MANUFACTURING INDUSTRY IN MALAYSIA: A RETROSPECTIVE STUDY ON COVID-19 RISKS.
	ITTP-T1-363	THE HEALTHCARE COST OF MANAGEMENT COVID-19 PATIENTS IN ICU, DR. SOETOMO ACADEMIC HOSPITAL SURABAYA
	ITTP-T1-246	THE INFLUENCE OF RELIGIOUS COPING TOWARDS ANXIETY AND STRESS LEVEL AMONG HEALTH WORKERS AT RSUD DR. SOETOMO IN PANDEMIC COVID-19
	ITTP-T1-245	THE EFFORT OF COVID19 PREVENTION IN VARIOUS WORK SECTORS IN SURABAYA INDONESIA

DATE	6th AUGUST 2021 (FRIDAY)
TIME	14:00 - 15:00 (GMT+08)
SESSION	SESSION 1
HOST	UNIVERSITAS INDONESIA
CHAIR	PROF. DRG. ENDANG WINIATI, M. BIOMED, Ph.D.,PBO
CO-CHAIR	PROF. DR. YUNIARDINI SEPRORINI WIMARDHANI, DRG., MSc., DENT

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
14:00 - 15:00	ITTP-T1-297	DOES MICRORNAS IN SALIVARY EXOSOME REFLECT THE STATE OF COVID-19 INFECTION? (REVIEW ARTICLE)
	ITTP-T1-305	SUSCEPTIBILITY OF PERIODONTITIS PATIENTS TO COVID-19 INFECTION: A CRITICAL APPRAISAL BASED-ON CLINICAL AND BIO-MOLECULAR ANALYSES

DATE	6th AUGUST 2021 (FRIDAY)
TIME	14:00 - 15:00 (GMT+08)
SESSION	SESSION 1
HOST	UNIVERSITAS AIRLANGGA
CHAIR	PROF. DR. NI NYOMAN TRI PUSPANINGSIH
CO-CHAIR	DR. DOMINICUS HUSADA

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
14:00 - 15:00	ITTP-T1-103	IMMUNOINFORMATICS STUDY IN PREDICTING CYTOTOXIC T LYMPHOCYTE (CTL) EPITOPES OF SARS-COV-2 NUCLEOCAPSID PROTEIN
	ITTP-T1-102	IMMUNOINFORMATICS STUDY IN PREDICTING CYTOTOXIC T LYMPHOCYTES (CTL) EPITOPES OF SARS-COV-2 SPIKE PROTEIN
	ITTP-T1-447	INCIDENCE ADVERSE EVENTS FOLLOWING IMMUNIZATION OF COVID19 VACCINE AMONG CLINICAL CLERKSHIP STUDENTS AT FACULTY OF MEDICINE STATE ISLAMIC UNIVERSITY JAKARTA
	ITTP-T1-434	PROPORTION OF COVID-19 VACCINE SIDE EFFECTS AMONG LECTURERS AND TEACHING STAFF AT ISLAMIC STATE UNIVERSITY SYARIF HIDAYATULLAH JAKARTA, INDONESIA
	ITTP-T1-590	THE CONSTRUCTION OF INDONESIAN SARS-COV2 RBD GENE INTO AAV SYSTEM

DATE	6th AUGUST 2021 (FRIDAY)
TIME	14:00 - 15:00 (GMT+08)
SESSION	SESSION 2
HOST	UNIVERSITAS INDONESIA
CHAIR	PROF. DR. AMIN SOEBANDRIO W. KUSUMO, Ph.D., SpMK (K)

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
14:00 - 15:00	ITTP-T1-238	CASE REPORT: SEVERE COVID-19 PNEUMONIA CONFIRMED WITH MASSIVE PLEURAL EFFUSION AND DETECTION OF TUBERCULOUS PLEURISY BY ADENOSINE DEAMINASE (ADA) TEST
	ITTP-T1-097	CLINICAL CHARACTERISTIC DAN SEVERITY PROFILE OF COVID-19 PATIENTS WITH HYPERTENSION IN PALU, CENTRAL SULAWESI
	ITTP-T1-118	CLINICAL CHARACTERISTIC OF 6102 ASYMPTOMATIC AND MILD CASES PATIENTS WITH COVID-19 IN INDONESIA
	ITTP-T1-268	BUCCAL SWAB AS AN ALTERNATIVE SPECIMEN TO DETECT SARS-CoV2 USING REAL-TIME RT-PCR METHOD



DATE	6th AUGUST 2021 (FRIDAY)
TIME	14:00 - 15:00 (GMT+08)
SESSION	SESSION 2
HOST	UNIVERSITAS INDONESIA
CHAIR	PROF. DR. dr. L MEILY KURNIAWIDJAJA, MSc., SpOK
CO-CHAIR	DR. INDRI HAPSARI SUSILOWATI, SKM, MKKK, Ph.D.

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
14:00 - 15:00	ITTP-T1-179	IMPLEMENTATION OF SAFE WORKING ARRANGEMENT DURING COVID-19 PANDEMIC IN AN OIL AND GAS COMPANY
	ITTP-T1-177	WORKPLACE COVID-19 TRANSMISSION AMONG WORKERS IN THE HIGHER EDUCATION INSTITUTION FACILITY
	ITTP-T1-158	AN OVERVIEW OF COVID-19 INFECTION PREVENTION AND CONTROL IN PT. X
	ITTP-T1-205	COVID-19 IN MINING INDUSTRY – MANAGING COMORBID RISKS THROUGH WORKPLACE WELLNESS PROGRAM

DATE	6th AUGUST 2021 (FRIDAY)
TIME	14:00 - 15:00 (GMT+08)
SESSION	SESSION 3
HOST	UNIVERSITAS PADJADJARAN
CHAIR	DR. RONNY
CO-CHAIR	DR. YUNI SUSANTI PRATIWI., DR., M.KES

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
14:00 - 15:00	ITTP-T1-459	COVID-19 WITH ACUTE CHOLECYSTITIS : A CASE REPORT
	ITTP-T1-410	INTRACEREBRAL HEMORRHAGE (ICH) STROKE AND CONCOMITANT COVID-19 INFECTION: A REPORT OF TWO CASES
	ITTP-T1-129	PREVALENCE OF OBESITY AND ITS IMPACT ON OUTCOME IN PATIENTS WITH MILD TO MODERATE CASES COVID-19 IN INDONESIA

DATE	6th AUGUST 2021 (FRIDAY)
TIME	15:00 - 16:00 (GMT+08)
SESSION	SESSION 2
HOST	UNIVERSITAS AIRLANGGA
CHAIR	DEWI MELANI HARIYADI, S.Si, Apt., M.PHIL., Ph.D.
CO-CHAIR	ELIDA ZAIRINA, S.Si., Ph.D., Apt

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
15:00 - 16:00	ITTP-T1-600	ANALYSIS OF EFFECT APPROPRIATE ANTIBIOTICS ADMINISTRATION TO CLINICAL OUTCOMES CONFIRMED COVID-19 PATIENTS WITH PNEUMONIA AT FATMAWATI GENERAL HOSPITAL JAKARTA
	ITTP-T1-493	CLINICAL CHARACTERISTICS AND SEVERITY PROFILE OF COVID-19 PATIENTS WITH HYPERTENSION IN PALU, CENTRAL SULAWESI
	ITTP-T1-631	EVALUATION OF OSELTAMIVIR AND FAVIPIRAVIR ON CLINICAL OUTCOMES AND LENGTH OF STAY IN COVID-19 PATIENTS AT FATMAWATI GENERAL HOSPITAL JAKARTA
	ITTP-T1-647	MOLECULAR DOCKING STUDIES OF FERULIC ACID AND ITS DERIVATIVES AGAINST MAIN PROTEASE ENZYME THAT AFFECT THE SARS-COV-2 VIRUS.

DATE	6th AUGUST 2021 (FRIDAY)
TIME	15:00 - 16:00 (GMT+08)
SESSION	SESSION 2
HOST	UNIVERSITAS INDONESIA
CHAIR	PROF. DR. AMAL CHALIK SJAAF, SKM, DR. PH.
CO-CHAIR	PROF. DR. BUDI UTOMO, MPH, Ph.D.

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
15:00 - 16:00	ITTP-T1-249	RISK COMMUNICATION TO INCREASE COMMUNITY RESILIENCE DURING THE COVID-19 PANDEMIC
	ITTP-T1-228	THE HIDDEN THREAT OF MULTIDRUG-RESISTANT BACTERIA BEHIND THE COVID-19 PANDEMIC SITUATION
	ITTP-T1-232	THE RULE OF EXERCISE INTENSITY AND DURATION IN REGULATING IMMUNE RESPONSE TO ENCOUNTER COVID-19

DATE	6th AUGUST 2021 (FRIDAY)
TIME	15:00 - 16:00 (GMT+08)
SESSION	SESSION 3
HOST	UNIVERSITAS PADJADJARAN
CHAIR	DR. MUHAMAD YUSUF
CO-CHAIR	DR. ARIEF

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
15:00 - 16:00	ITTP-T1-164	COVID-19 IN THE WORKPLACE: A CASE STUDY IN AGRICULTURE INDUSTRY
	ITTP-T1-122	COVID-19 OUTBREAK INVESTIGATION IN A UNIVERSITY CAMPUS IN KUBANG KERIAN, KELANTAN, MALAYSIA
	ITTP-T1-347	IMPACT OF COVID-19 ON PLASTIC & RECONSTRUCTIVE SURGERY (PRS) PRACTICE: COMPARING MALAYSIA AND OTHER ASIAN COUNTRIES
	ITTP-T1-236	DE NOVO EPITOPE FOCUSED VACCINE ANALYSIS FOR COVID 19 PROPHYLAXIS



DATE	6th AUGUST 2021 (FRIDAY)
TIME	15:00 - 16:00 (GMT+08)
SESSION	SESSION 5
HOST	UNIVERSITAS INDONESIA
CHAIR	PROF. DRA. FATMA LESTARI, MSi., Ph.D.

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
15:00 - 16:00	ITTP-T1-275	PLATELET TO LYMPHOCYTE RATIO IS A GOOD PREDICTOR OF MORTALITY IN COVID-19 PATIENTS
	ITTP-T1-181	ASEAN COUNTRIES PANDEMIC COVID-19 RESPONSE & RECOVERY
	ITTP-T1-107	RESILIENCE OF NURSES DURING THE COVID-19 PANDEMIC THE 21 ST CENTURY GLOBAL NURSING PARADIGM: A LITERATURE REVIEW
	ITTP-T1-171	AUTOMATIC WOUND CLASSIFICATION AND ANALYSIS WITH DEEP CONVOLUTIONAL NEURAL NETWORKS DURING COVID-19

DATE	6th AUGUST 2021 (FRIDAY)
TIME	15:00 - 16:00 (GMT+08)
SESSION	SESSION 6
HOST	UNIVERSITAS AIRLANGGA
CHAIR	PROF. DR. KUNTAMAN
CO-CHAIR	DR. PUSPA WARDHANI

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
15:00 - 16:00	ITTP-T1-180	SAFETY CLIMATE PERCEPTION AMONG INDONESIAN WORKERS IN THE CONTEXT OF COVID-19 PANDEMIC: A CASE STUDY IN OIL AND GAS COMPANY
	ITTP-T1-349	THE CIRCULATION OF SARS-COV-2 VIRUS IN WARD ENVIRONMENT OF COVID-19 INTENSIVE CARE UNIT, DR. SOETOMO HOSPITAL SURABAYA
	ITTP-T1-254	THE EFFECT OF AUTOLOGOUS ACTIVATED PLATELET-RICH PLASMA (AAPRP) THERAPY TOWARDS INFLAMMATORY CYTOKINE LEVEL IN SEVERE COVID-19 PATIENTS: A PRELIMINARY STUDY
	ITTP-T1-151	SEMEN ANALYSIS OF THE COVID-19 SURVIVORS IN INDRAPURA HOSPITAL, SURABAYA

DATE	6th AUGUST 2021 (FRIDAY)
TIME	16:00 - 17:00 (GMT+08)
SESSION	SESSION 1
HOST	UNIVERSITAS PADJADJARAN
CHAIR	DR. MED SETIAWAN
CO-CHAIR	DR. HOLIS

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
16:00 - 17:00	ITTP-T1-298	CADRES PERFORMANCES AND POSYANDU ACTIVITIES DURING COVID-19 PANDEMIC
	ITTP-T1-170	DESIGN, IMPLEMENTATION AND TESTING OF HAEMODIALYSIS SERVICE MANAGEMENT
	ITTP-T1-374	REIMAGINING THE PUBLIC HEALTH STRATEGY IN PREVENTION AND CONTROL OF COVID-19 MANAGEMENT: AN EVOLUTION

DATE	6th AUGUST 2021 (FRIDAY)
TIME	16:00 - 17:00 (GMT+08)
SESSION	SESSION 3
HOST	UNIVERSITAS INDONESIA
CHAIR	PROF. DR. ASRI C. ADISASMITA, MPH, M.Phil, Ph.D.
CO-CHAIR	DR. IWAN ARIAWAN MSPH

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
16:00 - 17:00	ITTP-T1-190	COMPARISON OF ROUTINE AND EXTENDED HEMATOLOGICAL PARAMETERS BETWEEN ICU AND NON-ICU COVID-19 PATIENTS IN KELANTAN, MALAYSIA
	ITTP-T1-531	DELAVIRDINE AND DOLUTEGRAVIR AS POTENTIAL INHIBITORS OF SARS-COV-2 MAIN PROTEASE (M <sub>pro</sub> ): AN IN-SILICO STUDY
	ITTP-T1-398	LOOKING BACK TO LOOK FORWARD: TRACKING ASEAN GOVERNMENTS' RESPONSE TO COVID-19 IN THE PURSUIT OF POST-PANDEMIC RECOVERY
	ITTP-T1-560	THE EFFECT OF COVID-19 PANDEMIC IN GERIATRIC REHABILITATION SERVICES IN HOSPITALIZED PATIENTS

DATE	6th AUGUST 2021 (FRIDAY)
TIME	16:00 - 17:00 (GMT+08)
SESSION	SESSION 8
HOST	UNIVERSITAS INDONESIA
CHAIR	DR. ROBIANA MODJO, SKM, M.KES
CO-CHAIR	DONI HIKMAT RAMDHAN, SKM, MKKK, Ph.D.

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
16:00 - 17:00	ITTP-T1-623	CONFORMITY TEST OF REAL TIME RT-PCR RESULTS WITH RAPID MOLECULAR TEST MICROARRAY IN DETECTING SARS COV-2 RNA
	ITTP-T1-618	CORRELATION OF ROUTINE HEMATOLOGY RESULTS AND RMT RESULTS OF XPERT XPRESS SARS-COV-2 WITH SEVERITY IN COVID-19 PATIENTS AT MERAUKE HOSPITAL
	ITTP-T1-568	MORTALITY RISK FACTORS FOR ELDERLY PATIENTS WITH COVID-19 INFECTION IN INTENSIVE CARE UNIT



DATE	6th AUGUST 2021 (FRIDAY)
TIME	16:00 - 17:30 (GMT+08)
SESSION	SESSION 1
HOST	UNIVERSITAS AIRLANGGA
CHAIR	PROF. DR. ARYATI DR., MS, Sp.PK. (K)
CO-CHAIR	DR. RENY I'TISHOM

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
16:00 - 17:30	ITTP-T1-185	A CASE REPORT OF ISCHEMIC STROKE PATIENT WITH HEMORRHAGIC TRANSFORMATION AND COVID-19 PNEUMONIA. ANTICOAGULATION THERAPY CONSIDERATION
	ITTP-T1-203	A CASE SERIES OF PATIENTS WITH INTRACEREBRAL HEMORRHAGE STROKE (ICH) AND CONCOMITANT ASYMPTOMATIC COVID-19 INFECTION
	ITTP-T1-460	COVID -19 IN THE PHILIPPINE COAST GUARD: PRELIMINARY OBSERVATIONS
	ITTP-T1-400	THE ROLE OF HEMATOLOGICAL AND COAGULATION PARAMETERS IN SEVERITY OF COVID-19 IN ULIN REFERRAL HOSPITAL OF SOUTH KALIMANTAN
	ITTP-T1-559	SURVIVING CRITICALLY SEVERE COVID-19 INFECTION CASE: CLINICAL PATHOLOGY PERSPECTIVE

DATE	6th AUGUST 2021 (FRIDAY)
TIME	16:00 - 17:30 (GMT+08)
SESSION	SESSION 1
HOST	UNIVERSITAS AIRLANGGA
CHAIR	ZIDA HUSNINA SKM., MPH
CO-CHAIR	LAURA NAVIKA YAMANI S.Si., M.Si., Ph.D.

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
16:00 - 17:30	ITTP-T1-420	COVID-19 MEDICAL WASTE MANAGEMENT IN INDONESIA
	ITTP-T1-117	REMOTE SENSING APPLICATION TO MONITOR FOREST FIRE, HAZE, AND AIR QUALITY INDUCED COVID 19 CASES IN SUMATRA
	ITTP-T1-169	THE ASSOCIATION BETWEEN AIR POLLUTION AND INCIDENCE OF PNEUMONIA UNDER FIVE BEFORE AND DURING THE COVID-19 PANDEMIC IN DKI JAKARTA
	ITTP-T1-148	THE LATEST UPDATE ON MOVEMENT CONTROL ORDER (MCO) IMPACTS ON LOCAL AIR QUALITY IN KLANG VALLEY, MALAYSIA
	ITTP-T1-521	RISK ASSESSMENT AND AIR QUALITY STUDY DURING DIFFERENT PHASES OF COVID-19 LOCKDOWN IN AN URBAN AREA OF KLANG VALLEY, MALAYSIA

DATE	6th AUGUST 2021 (FRIDAY)
TIME	17:00 - 18:00 (GMT+08)
SESSION	SESSION 1
HOST	UNIVERSITAS PADJADJARAN
CHAIR	DR. MUHAMAD YUSUF
CO-CHAIR	DR. HOLIS

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
17:00 - 18:00	ITTP-T1-257	ANALYSIS ON PSYCHOLOGICAL EFFECTS CAUSED BY COVID-19 PANDEMIC AND HOW TO HANDLE SUCH EFFECTS.
	ITTP-T1-240	A SURVEY ON ANXIETY AND DEPRESSION IN MEDICAL STUDENTS DURING COVID-19 PANDEMIC
	ITTP-T1-244	CABIN FEVER AND DEPRESSION IN STUDENTS OF THE FACULTY OF MEDICINE, UNIVERSITAS AIRLANGGA DURING THE COVID-19 PANDEMIC
	ITTP-T1-443	CABIN FEVER AS A PSYCHOLOGICAL IMPACT ON CHILDREN DURING THE COVID-19 PANDEMIC

DATE	6th AUGUST 2021 (FRIDAY)
TIME	17:00 - 18:00 (GMT+08)
SESSION	SESSION 4
HOST	UNIVERSITAS AIRLANGGA
CHAIR	INGE DHAMANTI S.KM, M. KES, M.PH. Ph.D
CO-CHAIR	NUZULUL KUSUMA PUTRI S.KM., M.KES

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
17:00 - 18:00	ITTP-T1-414	MAPPING COMMUNICATION BARRIERS AND IMPACTS DURING THE COVID-19 PANDEMIC IN HOSPITAL
	ITTP-T1-096	EXPLORING THE EFFECT OF THE COVID-19 PANDEMIC ON HOSPITAL PHARMACISTS IN MALAYSIA
	ITTP-T1-101	HEALTHCARE WORKERS RESILIENCE FROM MANAGING COVID-19 PANDEMIC: A REVIEW
	ITTP-T1-204	LITERATION AND HEALTH PROTOCOL CORRELATION TO THE ANXIETY LEVEL OF COVID 19 AMONG MEDICAL STUDENTS IN SOUTH KALIMANTAN

DATE	6th AUGUST 2021 (FRIDAY)
TIME	17:00 - 18:00 (GMT+08)
SESSION	SESSION 4
HOST	UNIVERSITAS INDONESIA
CHAIR	DR. DRA. RITA DAMAYANT, M.SPH
CO-CHAIR	DIEN ASHARI, S.SOS, M.Si, Ph.D

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
17:00 - 18:00	ITTP-T1-651	INDIVIDUAL FACTORS OF COPING ABILITIES TO MANAGE BOREDOM AND WORRIES DUE TO LOCKDOWN CONDITION DURING PANDEMIC COVID-19
	ITTP-T1-515	PSYCHIATRIC ASPECTS OF HEALTHCARE WORKERS IN COVID-19 PANDEMIC: PREVALENCE OF ANXIETY, RESILIENCE, BURNOUT AND THEIR CORRELATION TO STRESS BIOMAKERS.
	ITTP-T1-642	PSYCHIATRIC ASPECTS OF HEALTHCARE WORKERS IN COVID-19 PANDEMIC: PREVALENCE OF ANXIETY, RESILIENCE, BURNOUT, AND THEIR CORRELATIONS TO STRESS BIOMARKERS



DATE	6th AUGUST 2021 (FRIDAY)
TIME	17:00 - 18:00 (GMT+08)
SESSION	SESSION 9
HOST	UNIVERSITAS INDONESIA
CHAIR	PROF. DRG. NURHAYATI A PRIHARTONO, MPH, M.Sc, ScD
CO-CHAIR	DR. DADAN ERWANDI, S.Psi, M.Si

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
17:00 - 18:00	ITTP-T1-281	PSYCHIATRIC ASPECT OF HEALTHCARE WORKERS CARING FOR COVID-19 PATIENTS: ANXIETY AND RESILIENCE ASSOCIATED WITH BURNOUT, CORTISOL, AND IL-6 OF FRONTLINERS
	ITTP-T1-161	ANALYSIS OF MORTALITY RISK FACTORS FOR GERIATRIC PATIENTS WITH COVID-19 INFECTION IN INTENSIVE CARE UNIT
	ITTP-T1-134	EFFECTIVENESS OF SECOND DOSE PFIZER COVID-19; A CASE REPORT FROM WORKPLACE TRANSMISSION

DATE	7th AUGUST 2021 (SATURDAY)
TIME	14:00 - 15:00 (GMT+08)
SESSION	SESSION 1
HOST	UNIVERSITAS INDONESIA
CHAIR	PROF. DR. AMARILA MAIL, M.Si., Apt
CO-CHAIR	DR. ANIS KARUNIAWATI. Ph.D. SpMK (K)

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
14:00 - 15:00	ITTP-T1-094	ALPHA-VINIFERIN AND NEOHESPERIDIN AS POTENTIAL 3CLPRO INHIBITORS OF SARS-COV-2: AN IN-SILICO VIRTUAL SCREENING INVESTIGATION
	ITTP-T1-112	COVID-19: POTENTIAL OF CONVALESCENT PLASMA INHIBITING IL-17A
	ITTP-T1-093	EFFECTIVENESS OF INTRAVENOUS IMMUNOGLOBULIN AS THERAPY FOR COVID-19: A SYSTEMATIC REVIEW AND META-ANALYSIS

DATE	7th AUGUST 2021 (SATURDAY)
TIME	14:00 - 15:00 (GMT+08)
SESSION	SESSION 1
HOST	UNIVERSITAS INDONESIA
CHAIR	PROF. DR. AMIN SOEBANDRIO W. KUSUMO, Ph.D., SpMK (K)

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
14:00 - 15:00	ITTP-T1-446	COMPARISON OF REAL-TIME BIOCOV-19 RT-PCR KIT WITH N1N2 CDC RT-PCR FOR DETECTING SARS-COV-2
	ITTP-T1-435	DESIGN, SYNTHESIS, AND BIOACTIVITY EVALUATION OF INHIBITOR OF COVID-19 MAIN PROTEASE
	ITTP-T1-299	THE CONSTRUCTION AAV SYSTEM OF SYNTHETIC GENE RBD AND SPIKE FROM INDONESIAN SARS-COV2

DATE	7th AUGUST 2021 (SATURDAY)
TIME	14:00 - 15:00 (GMT+08)
SESSION	SESSION 1
HOST	UNIVERSITAS PADJADJARAN
CHAIR	DR. RONNY
CO-CHAIR	DR. ARIF

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
14:00 - 15:00	ITTP-T1-089	IMPACT OF COVID-19 PANDEMIC ON ANTIRETROVIRAL (ARV) SERVICES IN HEALTH FACILITY: AN ONLINE SURVEY IN INDONESIA
	ITTP-T1-087	IMPACT OF COVID-19 PANDEMIC ON HEALTH SEEKING BEHAVIOUR AND HEALTH SERVICES UTILIZATION IN INDONESIA
	ITTP-T1-230	ANTENATAL CARE SERVICE PROVIDED BY MIDWIVES TO PREGNANT WORKERS DURING THE COVID-19 PANDEMIC IN INDONESIA
	ITTP-T1-261	REPRODUCTIVE HEALTH TRAINING TO STRENGTHEN PRIVATE MIDWIFERY PRACTICE IN THE CONTEXT OF COVID-19 PANDEMIC: PROGRAM REPORT
	ITTP-T1-086	TITLE IMPACT OF COVID-19 ON REPRODUCTIVE HEALTH SERVICES IN INDONESIA

DATE	7th AUGUST 2021 (SATURDAY)
TIME	14:00 - 15:00 (GMT+08)
SESSION	SESSION 4
HOST	UNIVERSITI PUTRA MALAYSIA
CHAIR	ASSOC. PROF. DR. ANITA ABD. RAHMAN
CO-CHAIR	DR. MOHD HAMZI BIN MOHD YATIM

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
14:00 - 15:00	ITTP-T1-417	NON-INVASIVE VENTILATION IN A CRITICALLY ILL PATIENT WITH COVID-19 PNEUMONIA
	ITTP-T1-239	ARDS AND FIBRINOLYSIS SHUTDOWN WITH ORGANIC MENTAL DISORDER IN SEVERE SECOND ATTACK OF COVID-19: A SURVIVAL CASE REPORT
	ITTP-T1-198	ROLE OF IL-21 AND IL-27 IN COVID-19 PATIENTS RECEIVING CONVALESCENT PLASMA
	ITTP-T1-119	TREATMENT PROFILE AND CLINICAL OUTCOMES OF COVID-19 PATIENT WITH DIABETES MELLITUS IN INDRAPURA FIELD HOSPITAL INDONESIA



DATE	7th AUGUST 2021 (SATURDAY)
TIME	14:00 - 15:00 (GMT+08)
SESSION	SESSION 7
HOST	UNIVERSITI KEBANGSAAN MALAYSIA
CHAIR	PROF. DR. MARHANI MIDIN
CO-CHAIR	DR. MOHD SHAHRUL MOHD NADZIR

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
14:00 - 15:00	ITTP-T1-396	PROFILE OF DIABETES MELLITUS THERAPY IN COVID-19 PATIENTS WITH DIABETES MELLITUS AS COMORBID IN KOGABWILHAN II EMERGENCY HOSPITAL SURABAYA
	ITTP-T1-394	PROFILE OF HYPERTENSION THERAPY IN COVID-19 PATIENTS WITH HYPERTENSION AS COMORBID IN KOGABWILHAN II EMERGENCY HOSPITAL SURABAYA
	ITTP-T1-237	IMPLEMENTATION OF PUTRA RISK IN ASSESSING THE RISK LEVEL OF COVID-19 AMONGST CAMPUS RESIDENTS.
	ITTP-T1-121	DESIGN OF OCCUPATIONAL HEALTH SERVICE INFORMATION SYSTEM IN SUPPORTING COVID-19 SURVEILLANCES FOR HEALTHCARE WORKERS IN PUBLIC HOSPITAL, INDONESIA

DATE	7th AUGUST 2021 (FRIDAY)
TIME	15:00 - 16:00 (GMT+08)
SESSION	SESSION 1
HOST	UNIVERSITAS INDONESIA
CHAIR	PROF. DR. dr. H. ARI. FAHRIAL SYAM, SpPD-KGEH, MMB, FINASI, FACP
CO-CHAIR	DR. ANIS KARUNIAWATI, Ph.D., SpMK (K)

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
15:00 - 16:00	ITTP-T1-209	AUTOMATION OF DATA CLEANING PROCESS BY UNDERSTANDING NUANCES IN COVID-19 DATA
	ITTP-T1-155	SOCIAL SENSING OF COVID-19 VACCINE REJECTION IN FEW AREAS IN INDONESIA
	ITTP-T1-437	FACTORS RELATED TO COVID-19 PREVENTION MEASURES IN BATU CITY
	ITTP-T1-234	THE IMPORTANCE OF IMPLEMENTING PHYSICAL DISTANCING DURING THE COVID-19 PANDEMIC

DATE	7th AUGUST 2021 (SATURDAY)
TIME	15:00 - 16:00 (GMT+08)
SESSION	SESSION 1
HOST	UNIVERSITAS INDONESIA
CHAIR	PROF. DR. TJANDRA YOGA ADITAMA, Sp. P(K), MARS, DTM&H, DTCE, FISR

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
15:00 - 16:00	ITTP-T1-283	DETERIORATION OF WELLBEING INDEX IN GENERAL POPULATION IN INDONESIA DURING THE PANDEMIC OF COVID-19
	ITTP-T1-111	LONG-HAUL COVID 19 ON HOSPITALIZED RECOVERED PATIENTS
	ITTP-T1-206	ANALYSIS ON JAVA AND BALI'S ENFORCEMENT OF LIMITATIONS ON COMMUNITY ACTIVITIES (ECLA) IN HANDLING COVID-19 SPREAD IN INDONESIA
	ITTP-T1-159	COVID-19 PANDEMIC RESPONSE & IMPACTS IN DKI JAKARTA
	ITTP-T1-418	HIGH FAT INTAKE AND DECREASED DAILY ACTIVITY AFFECT CHANGES IN MENSTRUAL CYCLE WHILE LEARNING FROM HOME DURING THE COVID-19 PANDEMIC

DATE	7th AUGUST 2021 (SATURDAY)
TIME	15:00 - 16:00 (GMT+08)
SESSION	SESSION 2
HOST	UNIVERSITI PUTRA MALAYSIA
CHAIR	ASSOC. PROF. DR. MOHD RAFEE BAHARUDIN
CO-CHAIR	DR. NIK QISTINA BINTI NIK ABD RAHIM

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
15:00 - 16:00	ITTP-T1-132	PREVALENCE OF MYCOBACTERIUM LEPRAE RESISTANT TO RIFAMPICIN AND CORRELATION TO RISK FACTORS AT RSUP DR SITANALA TANGERANG
	ITTP-T1-429	FACTORS ASSOCIATED WITH RISK PERCEPTION AND PREVENTIVE BEHAVIOUR TOWARDS COVID-19 INFECTION AMONG AFRICAN IMMIGRANTS IN KUALA LUMPUR
	ITTP-T1-160	PANDEMIC COVID-19 LOCAL WISDOM RESPONSES LEARNING FROM ACEH PROVINCE
	ITTP-T1-449	SEX DIFFERENCE IN SUSCEPTIBILITY TO COVID-19 IN THE PHILIPPINES

DATE	7th AUGUST 2021 (SATURDAY)
TIME	15:00 - 16:00 (GMT+08)
SESSION	SESSION 2
HOST	UNIVERSITI KEBANGSAAN MALAYSIA
CHAIR	PROF. DR. NORFILZA MOKHTAR
CO-CHAIR	DR. MOHD SHAHRUL MOHD NADZIR

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
15:00 - 16:00	ITTP-T1-184	DEPRESSION IN ELDERLY DURING COVID-19 PANDEMIC IN INDONESIA
	ITTP-T1-106	FUTURE ANXIETY AMONG PARENTS OF CHILDREN WITH AUTISM SPECTRUM DISORDER DURING COVID-19 PANDEMIC IN INDONESIA
	ITTP-T1-137	ONLINE-BASED PSYCHIATRIC ASSISTANCE IN REDUCING ANXIETY AND DEPRESSION IN COVID-19 PATIENTS TREATED IN THE ISOLATION ROOM
	ITTP-T1-635	ANXIETY LEVEL AND COMPLIANCE WITH HEALTH PROTOCOLS IN AIRLANGGA UNIVERSITY STUDENTS DURING THE COVID-19 PANDEMIC



DATE	7th AUGUST 2021 (SATURDAY)
TIME	15:00 - 16:00 (GMT+08)
SESSION	SESSION 2
HOST	UNIVERSITAS PADJADJARAN
CHAIR	PROF. RIZKY
CO-CHAIR	DR. RAINI

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
15:00 - 16:00	ITTP-T1-195	KNOWLEDGE OF ONE UNIVERSITY STUDENTS ON COVID-19 IN INDONESIA
	ITTP-T1-199	PRINTED CIRCUIT BOARD (PCB) LABEL-FREE MINIATURISED ELECTROCHEMICAL DNA SENSOR TO DETECT SARS-COV2
	ITTP-T1-202	RAPID VISUAL DETECTION OF SARS-COV-2 USING REVERSE TRANSCRIPTION LOOP-MEDIATED ISOTHERMAL AMPLIFICATION
	ITTP-T1-422	EPIDEMIOLOGICAL STUDY ON THE APPLICATION OF HEALTH PROTOCOLS, COMORBID DISEASES, AND HISTORY OF CLOSE CONTACT WITH COVID-19 IN SELATAN SURABAYA

DATE	7th AUGUST 2021 (SATURDAY)
TIME	15:00 - 16:00 (GMT+08)
SESSION	SESSION 2
HOST	UNIVERSITAS PADJADJARAN
CHAIR	PROF. TOTO SUPROTO
CO-CHAIR	DR. YUNI SUSANTI PRATIWI., DR., M.Kes

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
15:00 - 16:00	ITTP-T1-208	STUDY ON DEVELOPMENT AND PROGRESS REGARDING COVID-19 VACCINATION IN INDONESIA
	ITTP-T1-144	SYNCOPE RELATED TO COVID-19 VACCINE INJECTION: "A CASE REPORT"
	ITTP-T1-463	THE INCIDENCE OF VACCINE ADVERSE EVENT AND SIDE EFFECT IN THE YOUNG ADULT PATIENT WITH WHOLE INACTIVATED VIRUS
	ITTP-T1-065	COVID-19 CONTROL IN INDONESIA
	ITTP-T1-072	ACCEPTABILITY AND WILLINGNESS TO PAY FOR COVID-19 VACCINE AMONG SELECTED MUSLIM COMMUNITIES IN SELANGOR, MALAYSIA, 2021

DATE	7th AUGUST 2021 (SATURDAY)
TIME	16:00 - 17:00 (GMT+08)
SESSION	SESSION 1
HOST	UNIVERSITAS INDONESIA
CHAIR	PROF. DR. ENDANG L. ACHADI, M.P.H
CO-CHAIR	DR. DRS. TRIS ERYANDO. M.A

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
16:00 - 17:00	ITTP-T1-272	MATERNAL AND CHILDHOOD NUTRITION SERVICES DURING THE COVID19 PANDEMIC IN INDONESIA
	ITTP-T1-260	FOOD DIVERSITY HAS CORRELATION WITH CORONAVIRUS INFECTION HISTORY

DATE	7th AUGUST 2021 (SATURDAY)
TIME	16:00 - 17:00 (GMT+08)
SESSION	SESSION 3
HOST	UNIVERSITI KEBANGSAAN MALAYSIA
CHAIR	DR. MOHD SHAHRUL MOHD NADZIR
CO-CHAIR	PROF. DR. MARHANI MIDIN

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
16:00 - 17:00	ITTP-T1-175	SITUATIONAL ANALYSIS OF THE MENTAL HEALTH OF REFERRAL COVID-19 HOSPITAL STAFF
	ITTP-T1-231	THE CORRELATION BETWEEN ANXIETY AND DEPRESSION WITH CABIN FEVER IN MEDICAL STUDENTS DURING THE COVID-19 PANDEMIC
	ITTP-T1-165	ANALYZING SUFFERING AND SALVATION ON MENTAL HEALTH STATE OF COVID-19 PATIENTS OF ASEAN COUNTRIES BASED ON PERSPECTIVE OF SALVIFICI DOLORIS

DATE	7th AUGUST 2021 (SATURDAY)
TIME	16:00 - 17:00 (GMT+08)
SESSION	SESSION 3
HOST	UNIVERSITI PUTRA MALAYSIA
CHAIR	ASSOC. PROF. DR. ROSLIZA ABDUL MANAF
CO-CHAIR	DR. KHALSOM SAMSUDIN

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
16:00 - 17:00	ITTP-T1-217	HEALTH LITERACY AND ITS IMPORTANCE IN FACING COVID-19
	ITTP-T1-075	SEVERE NEUROPSYCHIATRIC SYNDROME IN COVID-19 PATIENTS WITH RESPIRATORY FAILURE A SERIAL CASES
	ITTP-T1-425	THE EFFECT OF PANDEMIC COVID-19 TO FAMILY'S RELATIONSHIP AND PARENTING PATTERNS DURING THE PERIOD OF RESTRICTIONS AND CONFINEMENTS CONDITION
	ITTP-T1-263	THE POTENTIAL OF COMMUNITY BASED FIGHTING INITIATIVE AGAINST COVID-19 IN JAKARTA, INDONESIA

DATE	7th AUGUST 2021 (SATURDAY)
TIME	17:00 - 18:00 (GMT+08)
SESSION	SESSION 4
HOST	UNIVERSITAS INDONESIA
CHAIR	PROF. ACHIR YANI SYUHAIMIE HAMID M.N., D.N.Sc.
CO-CHAIR	DR. RR. TUTIK SRI HARIYATI, S.Kp., M.A.R.S.

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
17:00 - 18:00	ITTP-T1-253	ANOSMIA IN COVID-19: AN IMPACT ON THE PERIPHERAL NERVOUS SYSTEM AND/OR CENTRAL OLFACTORY LOSS? A LITERATURE REVIEW
	ITTP-T1-442	UNDERGRADUATE ONLINE-BASED CLINICAL ROTATIONS DURING PANDEMIC: A DESCRIPTIVE EVALUATION
	ITTP-T1-156	WEST JAVA'S 'MICRO-LOCKDOWN' STRATEGY IN HANDLING COVID-19
	ITTP-T1-241	APPLIED COMMUNITY MEDICINE FOR MEDICAL STUDENT DURING THE COVID-19 PANDEMIC



DATE	7th AUGUST 2021 (SATURDAY)
TIME	17:00 - 18:00 (GMT+08)
SESSION	SESSION 5
HOST	UNIVERSITAS INDONESIA
CHAIR	PROF. DR. DR. SABARINAH PRASETYO, MSc.
CO-CHAIR	PROF. DR. DRG. MARDIATI NAJIB, MS

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
17:00 - 18:00	ITTP-T1-216	ANALYSIS ON PHYSICAL DISTANCING IMPLEMENTATION DURING COVID-19 PANDEMIC
	ITTP-T1-451	INDONESIAN POLICY FOR MEDICAL SERVICE THROUGH TELEMEDICINE IN HOSPITALS DURING THE COVID-19 PANDEMIC
	ITTP-T1-555	SEVERE NEUROPSYCHIATRIC SYNDROME IN COVID-19 PATIENTS WITH RESPIRATORY FAILURE A SERIAL CASES
	ITTP-T1-452	THE EFFECT OF COVID-29 PANDEMIC IN GERIATRIC REHABILITATION SERVICES IN HOSPITALIZED PATIENTS

DATE	8th AUGUST 2021 (SUNDAY)
TIME	09:00 - 09:30 (GMT+08)
SESSION	SESSION 1
HOST	UNIVERSITAS AIRLANGGA
CHAIR	PROF. DR. NANCY MARGARITA REHATTA
CO-CHAIR	DR. HANIK B. HIDAYATI, DR, Sp.S

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
09:00 - 09:30	ITTP-T1-424	THE INDIVIDUALS COPING ABILITIES TO MANAGE BOREDOM AND ANXIETY DUE TO LOCKDOWN CONDITION DURING PANDEMIC COVID-19

DATE	8th AUGUST 2021 (SUNDAY)
TIME	09:00 - 10:00 (GMT+08)
SESSION	SESSION 3
HOST	ATENEIO DE MANILLA UNIVERSITY
CHAIR	PROF. MARIA REGINA E.ESTUAT, Ph.D.
CO-CHAIR	DR. MADELINE ONG. MD

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
09:00 - 10:00	ITTP-T1-509	THE POTENCY OF VITEX TRIFOLIA AS AN ANTIVIRAL FOR COVID 19: A REVIEW
	ITTP-T1-407	EVALUATION STUDY OF OSELTAMIVIR AND FAVIPIRAVIR ON CLINICAL OUTCOMES AND LENGTH OF STAY IN COVID-19 PATIENTS AT FATMAWATI GENERAL HOSPITAL
	ITTP-T1-099	POTENTIAL PROTEASE INHIBITORS' COMBINATIONS FOR THE TREATMENT OF COVID-19 BASED ON IN-SILICO ANALYSIS OF 3CL-PROTEASE BINDING SITES
	ITTP-T1-247	THE "CURVE" WAY OF INDONESIAN VACCINE COVID-19 DEVELOPMENT

DATE	8th AUGUST 2021 (SUNDAY)
TIME	09:00 - 10:00 (GMT+08)
SESSION	SESSION 4
HOST	UNIVERSITI PUTRA MALAYSIA
CHAIR	ASSOC. PROF. DR. MOHD RAFEE BAHARUDIN
CO-CHAIR	DR. LINA FARHANA BINTI RAMLI

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
09:00 - 10:00	ITTP-T1-153	REMOTE AUDIT: A NEW APPROACH FOR FIELD AUDIT DURING COVID-19 PANDEMIC
	ITTP-T1-064	STUDY OF HEALTH PROTOCOL IMPLEMENTATION FOR COVID 19 PREVENTION AND CONTAGIOUS AT WORKPLACE OF ABC COMPANY 2021
	ITTP-T1-445	NON INVASIVE VENTILATION IN COVID-19 GERIATRIC WITH ACUTE RESPIRATORY FAILURE AT MUHAMMADIYAH LAMONGAN HOSPITAL; A CASE SERIES
	ITTP-T1-166	PANDEMIC COVID-19 PREPAREDNESS PLAN IN THE WORKPLACE: A CASE STUDY IN MINING COMPANY – LITERATURE REVIEW

DATE	8th AUGUST 2021 (SUNDAY)
TIME	09:00 - 10:00 (GMT+08)
SESSION	SESSION 5
HOST	UNIVERSITI SAINS MALAYSIA
CHAIR	PROF. DR. ROSLINE HASSAN
CO-CHAIR	PROF. DR. ZAKUAN ZAINY DERIS
	PROF. DR. ZAHIRUDDIN OTHMAN

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
09:00 - 10:00	ITTP-T1-390	UTILITY AND USABILITY OF AN AUTOMATED COVID-19 SYMPTOM MONITORING SYSTEM (COSMOS) IN PRIMARY CARE DURING COVID-19 PANDEMIC: A QUALITATIVE STUDY.
	ITTP-T1-348	THE CHALLENGING FUTURE OF SARS-COV-2
	ITTP-T1-138	ANALYSIS OF ACTH AND CORTISOL LEVELS IN ACUTE RESPIRATORY DISTRESS SYNDROME COVID-19 PATIENTS
	ITTP-T1-154	NECROTIZING ENTEROCOLITIS IN INFANTS BORN TO MOTHER WITH COVID-19

DATE	8th AUGUST 2021 (SUNDAY)
TIME	10:00 - 11:00 (GMT+08)
SESSION	SESSION 1
HOST	UNIVERSITI PUTRA MALAYSIA
CHAIR	ASSOC. PROF. DR. ROSLIZA ABDUL MANAF
CO-CHAIR	DR. NURRUL HIDAYU BINTI AZELAN

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
10:00 - 11:00	ITTP-T1-171	AUTOMATIC WOUND SEGMENTATION AND ANALYSIS WITH DEEP CONVOLUTIONAL NEURAL NETWORKS
	ITTP-T1-403	PERFORMANCE OF NASAL SARS-COV-2 ANTIGEN-RAPID DIAGNOSTIC TEST (AG-RDT) IN KOGABWILHAN II FOREFRONT HOSPITAL INDRAPURA (RSLKI) SURABAYA INDONESIA
	ITTP-T1-225	THE COMPARISON OF RAPID ANTIBODY ASSAYS AND REAL-TIME PCR FOR DETECTING COVID-19 IN HEALTHY INDONESIAN
	ITTP-T1-492	DESIGN CONSIDERATION FOR COVID-19 PATIENTS HOSPITAL



DATE	8th AUGUST 2021 (SUNDAY)
TIME	10:00 - 11:00 (GMT+08)
SESSION	SESSION 1
HOST	UNIVERSITAS AIRLANGGA
CHAIR	DR. ALPHA FARDAH ATHIYYAH
CO-CHAIR	DR. MOSES GLORINO RUMAMBO PANDIN

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
10:00 - 11:00	ITTP-T1-279	INEQUALITY IN UNDER-FIVE CHILD MORTALITY IN INDONESIA
	ITTP-T1-128	INTERACTIVE RADIOLOGICAL-ANATOMY SUPPLEMENTARY E-LEARNING: AN ALTERNATIVE ANATOMY LEARNING TOOL AMIDST COVID-19
	ITTP-T1-214	COVID-19 RISK LEVEL ASSESSMENT USING RISK INDEX IN RESPOND TO COVID-19 DISASTER: A STUDY IN 34 PROVINCES IN INDONESIA
	ITTP-T1-421	DETERMINANT OF MORTALITY IN COVID-19 PATIENTS: A SCOPING REVIEW

DATE	8th AUGUST 2021 (SUNDAY)
TIME	10:00 - 11:00 (GMT+08)
SESSION	SESSION 2
HOST	ATENEO DE MANILLA UNIVERSITY
CHAIR	PROF. MARIA REGINA E. ESTUAR, Ph.D.
CO-CHAIR	DR. MADELINE ONG, MD

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
10:00 - 11:00	ITTP-T1-291	ONLINE EDUCATION FOR INCREASING COMMUNITY KNOWLEDGE OF COVID-19 TRANSMISSION AND PREVENTION
	ITTP-T1-259	PERSONAL HEALTH RECORD AS A PLATFORM FOR COVID-19 EARLY DETECTION TOOL FOR STUDENTS: CONCEPT AND POLICY IMPLICATIONS
	ITTP-T1-100	SURVIVAL ANALYSIS OF CORONAVIRUS DISEASE (COVID-19) PATIENTS IN SOUTH SUMATERA
	ITTP-T1-269	AN ANALYZED EPITOPE OF MUTATION IN SPIKE PROTEIN BY MOLECULAR DYNAMIC COARSE-GRAINED

DATE	8th AUGUST 2021 (SUNDAY)
TIME	10:00 - 11:00 (GMT+08)
SESSION	SESSION 6
HOST	UNIVERSITI SAINS MALAYSIA
CHAIR	PROF. DR. HABIBAH A WAHAB
CO-CHAIR	ASSOC. PROF. DR. AZIAH ISMAIL
	PROF. DR. ZAKUAN ZAINY DERIS

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
10:00 - 11:00	ITTP-T1-250	AUTOLOGOUS ACTIVATED PLATELET-RICH PLASMA (AAPRP) AS POTENTIAL THERAPY FOR SEVERE COVID-19 PATIENTS WITH THROMBOCYTOPENIA
	ITTP-T1-467	ACUPUNCTURE FOR BREATHLESSNESS IN PATIENTS WITH LONG COVID-19 SYNDROME
	ITTP-T1-113	PREPAREDNESS OF DENTISTS IN INDONESIA TOWARDS COVID-19 INFECTION CONTROL MEASURES
	ITTP-T1-142	LEARNING EXPERIENCE FROM COVID-19 PREVENTION AND CONTROL IN EAST JAVA

DATE	8th AUGUST 2021 (SUNDAY)
TIME	11:00 - 12:00 (GMT+08)
SESSION	SESSION 2
HOST	UNIVERSITI PUTRA MALAYSIA
CHAIR	ASSOC. PROF. DR. ANITA ABD. RAHMAN
CO-CHAIR	DR. MOHD FAIZ BIN ITAM

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
11:00 - 12:00	ITTP-T1-351	THE POTENTIAL LOSS OF SARS-COV-2 CASES THAT ARE DETECTED USING RAPID ANTIGEN TESTING: A STUDY MODEL IN COVID-19 OUT-PATIENT CLINIC
	ITTP-T1-292	UTILIZATION OF TELE-CTG FOR STRENGTHENING MATERNAL HEALTH SERVICE DURING THE COVID-19 PANDEMIC: CASE STUDY IN KUPANG REGENCY, INDONESIA
	ITTP-T1-266	PRODUCTION AND CHARACTERIZATION OF A SINGLE-CHAIN VARIABLE FRAGMENT (SCFV) AGAINST RECEPTOR-BINDING DOMAIN (RBD) OF SARS-COV-2

DATE	8th AUGUST 2021 (SUNDAY)
TIME	11:00 - 12:00 (GMT+08)
SESSION	SESSION 4
HOST	ATENEO DE MANILLA UNIVERSITY
CHAIR	PROF. MARIA REGINA E. ESTUAR, Ph.D.
CO-CHAIR	DR. MADELINE ONG, MD

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
11:00 - 12:00	ITTP-T1-182	MEDICAL WASTE GENERATION AND MANAGEMENT IN INDONESIA BEFORE AND DURING COVID-19 PANDEMIC
	ITTP-T1-413	IMPLEMENTATION OF SMART MOBILE CERTIFICATE FOR ASEAN MOBILITY
	ITTP-T1-419	OVERCOMING CHALLENGES IN COVID-19 PANDEMIC: A PERSPECTIVE IN ADAPTATION OF THE COMMUNITY MENTAL HEALTH SERVICE IN A TEACHING HOSPITAL
	ITTP-T1-489	THE EVIDENCE OF PRIMARY CARE PHARMACIST CONTRIBUTION AT THE FRONTLINE AGAINST COVID-19 PANDEMIC

DATE	8th AUGUST 2021 (SUNDAY)
TIME	11:00 - 12:00 (GMT+08)
SESSION	SESSION 7
HOST	UNIVERSITI SAINS MALAYSIA
CHAIR	PROF. DR. CHONG SHU CHIEN @ ALEXANDER
CO-CHAIR	ASSOC. PROF. DR. AZIAH ISMAIL
	PROF. DR. ROSLINE HASSAN

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
11:00 - 12:00	ITTP-T1-140	LOCAL WISDOM FROM EAST NUSA TENGGARA PROVINCES EXPERIENCE IN CONTROLLING COVID-19
	ITTP-T1-145	CO-OCCURRENCE COVID-19 AND INTRACEREBRAL HEMORRHAGE IN CEREBRAL CAVERNOUS MALFORMATION, IS IT COINCIDENCE? A CASE REPORT
	ITTP-T1-201	MATERNAL CORONAVIRUS MORTALITY AND PREGNANCY OUTCOMES IN PRIMARY REFERRAL HOSPITAL OF COVID-19 IN SOUTH KALIMANTAN
	ITTP-T1-402	COMPLETE BLOOD COUNT FEATURES IN PREGNANT WOMEN WITH COVID-19 CONFIRMED AT ULIN REFERRAL HOSPITAL OF SOUTH KALIMANTAN



DATE	8th AUGUST 2021 (SUNDAY)
TIME	12:00 - 13:00 (GMT+08)
SESSION	SESSION 1
HOST	UNIVERSITI SAINS MALAYSIA
CHAIR	PROF. MADYA DR. WAN MOHD ZAHIRUDDIN WAN MUHAMMAD
CO-CHAIR	PROF. DR. ZAKUAN ZAINY DERIS
	ASSOC. PROF. DR. AZIAH ISMAIL

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
12:00 - 13:00	ITTP-T1-070	THE EFFECT OF RESPIRATORY SUPPORT DEVICES AND ANTI-COVID COMBINATION ON MORTALITY AND LENGTH OF STAY OF COVID-19 PATIENTS
	ITTP-T1-436	POTENTIAL DOUBLE FINANCING OF IMMUNIZATION SERVICES SOURCED FROM GOVERNMENT FUNDS THROUGH THE PERSPECTIVE OF BATAM ISLAND DISTRICT HEALTH ACCOUNTS (DHA).
	ITTP-T1-454	WORK LIFE BALANCE OF WORKERS DURING A COVID-19 PANDEMIC AND ITS IMPACT ON JOB SATISFACTION
	ITTP-T1-455	THE RELATIONSHIP BETWEEN PERCEPTIONS ABOUT COVID 19 DISEASE AND BEHAVIOR OF IMPLEMENTING HEALTH PROTOCOLS ON INFORMAL WORKER GARMENT ASIA RAYA

**SOCIAL SCIENCES**

ROOM	4
DATE	6th AUGUST 2021 (FRIDAY)
SESSION 1	
CHAIR	PROF. DR. YONG ZULINA ZUBAIRI (UNIVERSITI MALAYA)
CO-CHAIR	DR. SHIRLEY CHIN WEI LEE (UNIVERSITI BRUNEI DARUSSALAM)
	DR. MARADONA (UNIVERSITAS AIRLANGGA)

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
14:00 - 14:20	ITTP-T1-439	AN EVIDENCE OF THE APPLICATION OF CDIO TECHNIQUE FOR UNDERGRADUATES' BUSINESS
14:20 - 14:40	ITTP-T1-290	DEVELOPMENT OF SMART CITY 4.0 IN FACING THE COVID-19 PANDEMIC, AN INTEGRATED FRAMEWORK
14:40 - 15:00	ITTP-T1-277	ANALYSIS OF KNOWLEDGE FACTORS RELATED TO COVID-19 PREVENTION TO LATE ADOLESCENTS IN SURABAYA
15:00 - 15:20	ITTP-T1-168	COVID-19 VACCINE RISK COMMUNICATION MANAGEMENT IN INDONESIA: CASE STUDY IN SURABAYA CITY AND EAST JAVA PROVINCE
15:20 - 15:40	ITTP-T1-270	ATTENTION DYNAMICS ON THE CHINESE SOCIAL MEDIA SINA WEIBO DURING THE COVID-19 PANDEMIC

ROOM	4
DATE	6th AUGUST 2021 (FRIDAY)
SESSION 2	
CHAIR	PROF. DR. YONG ZULINA ZUBAIRI (UNIVERSITI MALAYA)
CO-CHAIR	PROF. DR. RACHMAH IDA (UNIVERSITAS AIRLANGGA)
	DR. ACHSANIA HENRATMI (UNIVERSITAS AIRLANGGA)

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
16:00 - 16:20	ITTP-T1-227	BANK PERFORMANCE RESPONSES TO FISCAL AND MONETARY POLICY TO MITIGATE EFFECT OF THE COVID-19 IN INDONESIA
16:20 - 16:40	ITTP-T1-178	COPING STRATEGIES, SELF-CARE AND WELL-BEING AMONG PARENT WITH SPECIAL NEEDS CHILD DURING COVID-19 PANDEMIC
16:40 - 17:00	ITTP-T1-141	COPING WITH COVID-19: THE RESILIENCE OF COMMUNITY-BASED TOURISM IN BRUNEI DARUSSALAM.
17:00 - 17:20	ITTP-T1-234	THE IMPACT OF RELATED NEWS LINKED TO COVID-19 AND TOWARD THE LEVEL AND VOLATILITY OF STOCK PRICE
17:20 - 17:40	ITTP-T1-485	THE ROLE OF CULTURAL DISTANCE ON INTERNATIONAL TOURISM ARRIVALS IN THE ASEAN REGION: A GRAVITY MODEL
17:40 - 18:00	ITTP-T1-274	THE EFFECTIVENESS OF BANKING CREDIT RESTRUCTURING PROGRAM FOR COOPERATIVES TO STIMULATE MICRO-ENTERPRISES IN INDONESIA

ROOM	5
DATE	6th AUGUST 2021 (FRIDAY)
SESSION 1	
CHAIR	PROF. DR. SAMSILAH ROSLAN (UNIVERSITI PUTRA MALAYSIA)
CO-CHAIR	PROF. DR. EMY SUSANTI (UNIVERSITAS AIRLANGGA)
	DR. LANNY RAMLI (UNIVERSITAS AIRLANGGA)

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
14:00 - 14:20	ITTP-T1-456	MEDICO-LEGAL PROBLEMS ON THE RIGHT TO CHOOSE AND OBJECT COVID-19 VACCINATION: BALANCING PUBLIC HEALTH AND HUMAN RIGHTS PROTECTION
14:20 - 14:40	ITTP-T1-098	FORMATIVE ASSESSMENT IN HIGHER EDUCATION AMID COVID-19: HAS IT FAVOURED FORMAL OR INFORMAL ASSESSMENT TECHNIQUES OR BOTH?
14:40 - 15:00	ITTP-T1-131	GRADUATE TEACHER CANDIDATES' REFLECTIONS ON SCHOOL PRACTICUM EXPERIENCES DURING THE COVID-19 PANDEMIC
15:20 - 15:40	ITTP-T1-267	HEALTHCARE AND HEALTH INFORMATION SEEKING BEHAVIOR DURING THE COVID-19 PANDEMIC
15:40 - 16:00	ITTP-T1-242	IDENTIFYING THE PROTECTION OF SMES FINTECH DURING THE COVID-19 PANDEMIC

ROOM	5
DATE	6th AUGUST 2021 (FRIDAY)
SESSION 2	
CHAIR	PROF. DR. INTAN HASHIMAH MOHD HASHIM (UNIVERSITI SAINS MALAYSIA)
CO-CHAIR	DR. MAISAROL HAJI MASRI (UNIVERSITI BRUNEI DARUSSALAM)
	DR. KUEK CHAN NARITH (ROYAL UNIVERSITY OF PHNOM PENH)

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
16:00 - 16:20	ITTP-T1-475	IMPROVING EXPERIMENTATION AND ADAPTED LABORATORY-BASED SKILLS OF SENIOR HIGH SCHOOL STUDENTS IN AN ONLINE SETUP THROUGH DISCOVERY LEARNING APPROACH
16:20 - 16:40	ITTP-T1-466	INCORPORATING COLLABORATIVE AND SELF-DIRECTED ORAL FLUENCY-BUILDING ACTIVITIES TO ADDRESS FILIPINO GRADE 8 STUDENTS' ANXIETY IN ENGLISH AND IMPROVE ORAL FLUENCY
16:40 - 17:00	ITTP-T1-222	LEARNING FOR CHILDREN IN CONFLICT WITH THE LAW:: A THERAPEUTIC LEARNING AT BLITAR CHILDREN CORRECTIONAL INSTITUTION DURING THE COVID-19 PANDEMIC
17:00 - 17:20	ITTP-T1-139	MEDICAL EDUCATION VERSUS EXPOSURE TO SARS COV-2: HOW IS THE ACHIEVEMENT OF DOCTOR RESIDENT COMPETENCE IN THE FIELD OF UROGYNECOLOGY?
17:20 - 17:40	ITTP-T1-194	FOE OR FRIEND: ONLINE EDUCATION IN THE COVID-19 ERA?
17:40 - 18:00	ITTP-T1-300	ONLINE UNIVERSITY EXAMINATION PRACTICES DURING THE COVID-19 PANDEMIC

ROOM	6
DATE	6th AUGUST 2021 (FRIDAY)
SESSION 1	
CHAIR	DR. IRFAN WAHYUDI (UNIVERSITAS AIRLANGGA)
CO-CHAIR	PROF. DR. SURYANTO (UNIVERSITAS AIRLANGGA)

Malaysia Time (GMT+08)	Submission ID	Paper Title
14:00 - 14:20	ITTP-T1-433	THE EFFECTS OF COVID-19 PANDEMIC AND STRATEGIES IN MANAGING HIGH RISE RESIDENTIAL BUILDING
14:20 - 14:40	ITTP-T1-465	THE FACTORS THAT CONTRIBUTE TO INTERNET PLAGIARISM AMONG ACCOUNTING STUDENT IN UNIVERSITY TEKNOLOGI MALAYSIA
14:40 - 15:00	ITTP-T1-346	THE IDEAL LEGAL FRAMEWORK FORMULATION FOR PEER-TO-PEER LENDING
15:00 - 15:20	ITTP-T1-187	THE IMPACT OF RELATED OFFICIAL ANNOUNCEMENTS BY AUTHORITIES LINKED TO COVID-19 MANAGING POLICIES TOWARD LEVEL AND VOLATILITY OF STOCK PRICES
15:20 - 15:40	ITTP-T1-424	THE ROLE OF ISLAMIC SOCIAL FINANCE TO STRENGTHEN COMMUNITY ECONOMY DEVELOPMENT IN THE COVID 19 PANDEMY
15:40 - 16:00	ITTP-T1-084	THE LIABILITY OF THE INSURANCE COMPANY AGAINST THE INSURED FOR ADVERSE EVENTS FOLLOWING IMMUNIZATION (AEFI) OF COVID-19



ROOM	6
DATE	6th AUGUST 2021 (FRIDAY)
SESSION 2	
CHAIR	ASSOC. PROF. DR. NURHAYATI ZAKUAN (UNIVERSITI TEKNOLOGI MALAYSIA)
CO-CHAIR	DR. IRFAN WAHYUDI (UNIVERSITAS AIRLANGGA)
	ASSOC. PROF. DR. HASLIZA ABDUL HALIM (UNIVERSITI SAINS MALAYSIA)

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
16:00 - 16:20	ITTP-T1-252	THE OVERVIEW OF MOTHER'S COPING STRESS ACCOMPANYING CHILDREN STUDYING AT HOME DURING THE COVID-19 PANDEMIC
16:20 - 16:40	ITTP-T1-081	THE PARADIGM OF HISTORICAL SCIENCE AS THE RELATIONSHIP OF THE COVID-19 PANDEMIC WITH HISTORICAL TRACKS OF PREVIOUS GREAT OUTBREAK
16:40 - 17:00	ITTP-T1-485	THE ROLE OF CULTURAL DISTANCE ON INTERNATIONAL TOURISM ARRIVALS IN THE ASEAN REGION: A GRAVITY MODEL
17:00 - 17:20	ITTP-T1-172	THE ROLE OF CULTURAL VALUES ON INTERNATIONAL TOURISM ARRIVALS IN THE ASEAN REGION: A GRAVITY MODEL

ROOM	4
DATE	7th AUGUST 2021 (SATURDAY)
SESSION 1	
CHAIR	PROF. DR. RACHMAH IDA (UNIVERSITAS AIRLANGGA)
CO-CHAIR	DR. NISFUL LAILA (UNIVERSITAS AIRLANGGA)

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
14:00 - 14:20	ITTP-T1-426	EMOTIONAL INTELLIGENCE IN FEMALE WORKERS TO OVERCOME CYBER INCIVILITY DUE TO ROLE STRESS DURING THE COVID 19 PANDEMIC
14:40 - 15:00	ITTP-T1-284	ESTABLISHING COMMUNITY-BASED ECOTOURISM THROUGH PEOPLE-CENTERED DEVELOPMENT: A CASE OF PEARAING BIODIVERSITY CONSERVATION CENTER IN SIEM REAP PROVINCE, CAMBODIA
15:00 - 15:20	ITTP-T1-256	EXAMINING THE ASEAN LEGAL FRAMEWORK IN ERADICATING THE COVID-19 PANDEMIC
15:20 - 15:40	ITTP-T1-296	ASEAN OPEN SKY AND THE DISEASE SPREAD IN THE REGION: WHAT NEXT FOR THE ASAM
15:40 - 16:00	ITTP-T1-267	HEALTHCARE AND HEALTH INFORMATION SEEKING BEHAVIOUR DURING THE COVID-19 PANDEMIC

ROOM	4
DATE	7th AUGUST 2021 (SATURDAY)
SESSION 2	
CHAIR	PROF. DR. YONG ZULINA ZUBAIRI (UNIVERSITI MALAYA)
CO-CHAIR	DR. SOK SEREY (ROYAL UNIVERSITY OF PHNOM PENH)
	DR. SHOCHRUL R.AZIZAH (UNIVERSITAS AIRLANGGA)

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
16:00 - 16:20	ITTP-T1-167	COVID-19 VACCINE RUMOUR AND RESISTANCE IN INDONESIA: ANALYSING THE VACCINE HESITANCY AND CULTURAL MYTHS CIRCULATED ON ONLINE PLATFORMS
16:20 - 16:40	ITTP-T1-123	CRIMINAL LAW RESPONSE TO THE COVID-19 PANDEMIC IN ASEAN "A STUDY ON THE EFFECTIVENESS AND THE LIMIT OF CRIMINAL LAW"
16:40 - 17:00	ITTP-T1-243	DETERMINANTS THAT BUILD TRANSMISSION PREVENTION BEHAVIOR IN SURABAYA DURING COVID-19 PANDEMIC USING IBM
17:00 - 17:20	ITTP-T1-163	DIGITAL TRADITIONAL HUMOR STRATEGIES TO REDUCE ANXIETY IN FACING THE BURDEN OF LIFE DURING COVID-19 PANDEMIC
17:20 - 17:40	ITTP-T1-573	THE RELATIONSHIP BETWEEN ONLINE LEARNING CHALLENGES AND ONLINE LEARNING INTENTION OF UTM STUDENTS DURING COVID-19
17:40 - 18:00	ITTP-T1-397	*ANALYSIS OF PUBLIC OPINION ON FAKE INFORMATION DURING THE COVID-19 PANDEMIC: LITERATURE REVIEW

ROOM	5
DATE	7th AUGUST 2021 (SATURDAY)
SESSION 1	
CHAIR	DR. MASITAH SHAHRILL (UNIVERSITI BRUNEI DARUSSALAM)
CO-CHAIR	DR. IRFAN WAHYUDI (UNIVERSITAS AIRLANGGA)

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
14:00 - 14:20	ITTP-T1-294	PANDEMIC, SOUTHEAST ASIA MIGRANT WORKERS AND VIRTUAL ACTIVISM IN HONG KONG
14:20 - 14:40	ITTP-T1-480	THE DIGITAL TEACHING ON HOW TO CREATE POWERFUL AND EFFECTIVE BUSINESS LEAFLETS (FLYERS) USING 7-STEP
14:40 - 15:00	ITTP-T1-191	PERCEIVED THREAT APPRAISAL OF COVID-19 AMONG INDONESIAN EMPLOYEE: RESPONSE TO WORK FROM HOME (WFH)
15:00 - 15:20	ITTP-T1-200	PERCEPTIONS ABOUT VACCINES AND BARRIERS TO COVID-19 VACCINATION AMONG INDONESIAN ELDERLY

ROOM	5
DATE	7th AUGUST 2021 (SATURDAY)
SESSION 2	
CHAIR	PROF. DR. ENDANG RETNO SURJANINGRUM (UNIVERSITAS AIRLANGGA)
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	DR. KOESRIANTI (UNIVERSITAS AIRLANGGA)

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
16:00 - 16:20	ITTP-T1-135	PSYCHOLOGICAL ASSISTANCE TO PREGNANT/ BREASTFEEDING MOTHERS FOR POSYANDU CADRES DURING THE COVID-19 PANDEMIC, A RESEARCH PROTOCOL
16:20 - 16:40	ITTP-T1-278	THE RESILIENCE OF UNIVERSITY STUDENTS WHO HAVE BEEN INFECTED WITH COVID-19
16:40 - 17:00	ITTP-T1-415	PSYCHOLOGICAL IMPACTS OF COVID-19 PANDEMIC ON INDIVIDUALS WITH MENTAL HEALTH PROBLEMS: WHAT WE HAVE LEARNED SO FAR?
17:00 - 17:20	ITTP-T1-213	RESILIENCE IN OUTSTANDING STUDENT DURING COVID-19 PANDEMIC

ROOM	6
DATE	7th AUGUST 2021 (SATURDAY)
SESSION 1	
CHAIR	ASSOC. PROF SARIMAH SHAMSUDIN (UNIVERSITI TEKNOLOGI MALAYSIA)
CO-CHAIR	DR. LANNY RAMLI (UNIVERSITAS AIRLANGGA)
	DR. ASYAH AZ-ZAHRA AHMAD KUMPOH (UNIVERSITI BRUNEI DARUSSALAM)

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
14:00 - 14:20	ITTP-T1-273	THE ROLE OF PSYCHOLOGICAL WELL-BEING ON FIRST-YEAR UNIVERSITY STUDENTS' ADJUSTMENT DURING COVID-19 PANDEMIC
14:20 - 14:40	ITTP-T1-350	THE ROLES OF STRATEGIC FORESIGHT AND AGILITY AMONG MALAYSIAN SMES DURING THE COVID19 PANDEMIC
15:20 - 15:40	ITTP-T1-458	THE EFFECT OF SOCIAL SUPPORT ON ANXIETY LEVELS FACING THE COVID-19 PANDEMIC IN COLLEGE STUDENTS IN EAST JAVA
15:40 - 16:00	ITTP-T1-046	USING TECHNOLOGY TO TEACH SPEAKING SKILLS DURING COVID-19 OUTBREAK IN 21ST CENTURY CLASSROOM



ROOM	6
DATE	7th AUGUST 2021 (SATURDAY)
SESSION 2	
CHAIR	DR. NISFUL LAILA (UNIVERSITAS AIRLANGGA)
CO-CHAIR	DR. ANIZA OTHMAN (UNIVERSITI TEKNOLOGI MALAYSIA)
	DR. DAW KHIN MYO SU (YANGON UNIVERSITY OF ECONOMIC)

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
16:00 - 16:20	ITTP-T1-058	VIABLE SUPPLY CHAIN MANAGEMENT CONSTRUCTS AND COMPANY SUSTAINABILITY MEASURES IN MANUFACTURING INDUSTRY DURING COVID-19 PANDEMIC
16:40 - 17:00	ITTP-T1-301	SUSTAINABILITY OF SMALL AND MEDIUM ENTERPRISES DURING COVID 19 CRISIS AND ITS IMPACTS
17:20 - 17:40	ITTP-T1-091	GUIDELINE FOR CREATING ONLINE VIDEO LECTURES IN SUPPORT OF COVID-19 RECOVERY PLAN IN HIGHER EDUCATION
17:40 - 18:00	ITTP-T1-149	ERROR ANALYSIS OF ENGLISH LANGUAGE TEACHERS' CLASSROOM DISCOURSE VIA GOOGLE MEET DURING COVID-19 PANDEMIC FOR FUTURE TEACHING IMPROVEMENTS

ROOM	4
DATE	8th AUGUST 2021 (SUNDAY)
SESSION 1	
CHAIR	ASSOC. PROF. DR. OTHMAN IBRAHIM (UNIVERSITI TEKNOLOGI MALAYSIA)
CO-CHAIR	DR. MASHITAH SHAHRILL (UNIVERSITI BRUNEI DARUSSALAM)
	DR. TELISA AULIA FALIANITY (UNIVERSITAS INDONESIA)

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
09:00 - 09:20	ITTP-T1-285	SHAPING CULTURAL CORRIDOR IN CAMBODIA'S CONTEXT: A CASE STUDY OF TECHO 100-MODEL-VILLAGE DEVELOPMENT IN TAKEO PROVINCE
09:40 - 10:00	ITTP-T1-345	FACILITIES MANAGEMENT STRATEGY IN POSITION MOSQUE FUNCTION DURING PANDEMIC COVID-19
10:00 - 10:20	ITTP-T1-444	SOCIAL SUPPORT NEEDS IN THE EARLY STAGES OF THE COVID-19 PANDEMIC
10:20 - 10:40	ITTP-T1-130	TEACHING AND LEARNING INSIGHTS DURING COVID-19 FROM TEACHERS IN INDONESIA AND BRUNEI DARUSSALAM
10:40 - 11:00	ITTP-T1-304	TESTING FOR SEMI-STRONG EFFICIENT MARKET HYPOTHESIS: MACROECONOMIC CONDITION IN A CONSUMPTION DRIVEN EMERGING MARKET: EVIDENCE FROM INDONESIA

ROOM	4
DATE	8th AUGUST 2021 (SUNDAY)
SESSION 2	
CHAIR	AK MOHD RAFIQ BIN AK MATUSIN (UNIVERSITI TEKNOLOGI MALAYSIA)
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	DR. SHOCHRUL R. AZIZAH (UNIVERSITAS INDONESIA)

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
11:20 - 11:40	ITTP-T1-427	THE CREATION OF STUDENTS' LEARNING ACTIVITY ON COVID-19 WITH THE INCORPORATION OF LESSON STUDY AND 21ST CENTURY LEARNING DIMENSIONS
12:00 - 12:20	ITTP-T1-090	UNIVERSITY STUDENTS' PERCEPTION ON THE USE OF PADLET FOR ENGLISH LANGUAGE LEARNING DURING COVID-19 PANDEMIC
12:40 - 13:00	ITTP-2021-00159	THE EFFECTIVENESS OF SYNCHRONOUS E-LEARNING SESSIONS IN THE TEACHING OF FRACTIONS USING VIDEO CONFERENCING

**ENGINEERING & NATURAL SCIENCES**

ROOM	7
DATE	6th AUGUST 2021 (FRIDAY)
SESSION 1	
CHAIR	ASSOC. PROF. DR. SAWAL HAMID MD ALI
CO-CHAIR	ASSOC. PROF. DR. WAN ZUHA WAN HASAN

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
14:00 - 14:20	ITTP-T1-293	3D-PRINTED REUSABLE MASK FOR HEALTHCARE DURING COVID-19
14:40 - 15:00	ITTP-T1-186	ANALYSIS OF DIFFERENCES IN SYMPTOMS OF COVID-19 AND INFLUENZA USING ARTIFICIAL NEURAL NETWORKS
15:00 - 15:20	ITTP-T1-336	AUTOMATIC DRUGS RECOGNITION MODEL USING CONVOLUTIONAL NEURAL NETWORK

ROOM	7
DATE	6th AUGUST 2021 (FRIDAY)
SESSION 2	
CHAIR	ASSOC. PROF. DR. SAWAL HAMID MD ALI
CO-CHAIR	ASSOC. PROF. DR. WAN ZUHA WAN HASAN

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
16:00 - 16:20	ITTP-T1-330	BACK PAIN CLASSIFICATION BASED ON ULTRA-SOUND MUSCLE IMAGE USING MACHINE LEARNING
16:20 - 16:40	ITTP-T1-271	BLOCKCHAIN TECHNOLOGY FOR COMBATting COVID-19 : SOLUTIONS FOR INDONESIA'S ENDLESS WAVE OF PANDEMIC
17:20 - 17:40	ITTP-T1-211	CLOUD SERVICE ADOPTION MODEL IN THE LIBYAN E-GOVERNMENT IMPLEMENTATION

ROOM	8
DATE	6th AUGUST 2021 (FRIDAY)
SESSION 1	
CHAIR	ASSOC. PROF. IR. DR. AZLI YAHYA
CO-CHAIR	ASSOC. PROF. DR. LEE SIEW LING

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
14:00 - 14:20	ITTP-T1-127	ENHANCED ANTIBACTERIAL ACTIVITY OF BIOCIDES LOADED TIO <sub>2</sub> -BASED PHOTOCATALYST
14:20 - 14:40	ITTP-T1-162	CONSTRUCTION OF LATERAL FLOW IMMUNOASSAY BASED ON IMMUNOGLOBULIN Y ANTI-SARS-COV-2 AS A DIAGNOSTIC KIT TO DETECT CORONAVIRUS DISEASE-19 (COVID-19)
14:40 - 15:00	ITTP-T1-157	COMPARISON OF DIRECT AND COVALENT GOLD NANOPARTICLE-IMMUNOGLOBULIN Y CONJUGATION IN LATERAL FLOW ASSAY FOR SARS-COV-2 RECEPTOR BINDING DOMAIN DETECTION
15:00 - 15:20	ITTP-T1-416	COVID-19 ANALYSIS USING MACHINE LEARNING AND DEEP LEARNING ALGORITHMS
15:20 - 15:40	ITTP-T1-229	HIGH TEMPERATURE CURABLE AND NANOPOROUS SUBSTRATE FOR PRINTED ELECTRONICS
15:40 - 16:00	ITTP-T1-120	COVID-19 MEDICAL FACE MASK CLASSIFICATION USING CONVOLUTIONAL NEURAL NETWORK TO DETECT PROPER AND IMPROPER WEARING OF FACE MASK



ROOM	8
DATE	6th AUGUST 2021 (FRIDAY)
SESSION 2	
CHAIR	ASSOC. PROF. IR. DR. AZLI YAHYA
CO-CHAIR	ASSOC. PROF. DR. LEE SIEW LING

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
16:00 - 16:20	ITTP-T1-295	DESIGN AND FABRICATION OF AIR PURIFIER SYSTEM FOR CLOSED ROOM WITH CIRCULATED-CONDITIONED AIR
16:20 - 16:40	ITTP-T1-105	DESIGN CONSIDERATION FOR COVID-19 PATIENTS HOSPITAL
16:40 - 17:00	ITTP-T1-147	DESIGN, IMPLEMENTATION AND TESTING OF REALTIME HOSPITAL ACCREDITATION (JCI) INDICATOR AT SMART HOSPITAL (FULL SENSOR)
17:40 - 18:00	ITTP-T1-423	EFFECTIVENESS OF OZONE GAS IN PREVENTION OF COVID-19 AIRBORNE TRANSMISSION: A SHORT REVIEW

ROOM	9
DATE	6th AUGUST 2021 (FRIDAY)
SESSION 1	
CHAIR	PROF. DR. SANGSUREE VASUPONGAYYA
CO-CHAIR	ASSOC. PROF. DR. WAN NURHAYATI WAN AB. RAHMAN

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
14:00 - 14:20	ITTP-T1-146	FACE SIGN RECOGNITION FOR TELEMEDICINE
14:40 - 15:00	ITTP-T1-189	COVID-19 AND PNEUMONIA DETECTION SYSTEM USING DEEP LEARNING WITH CHEST X-RAY IMAGES

ROOM	9
DATE	6th AUGUST 2021 (FRIDAY)
SESSION 2	
CHAIR	PROF. DR. SANGSUREE VASUPONGAYYA
CO-CHAIR	ASSOC. PROF. DR. WAN NURHAYATI WAN AB. RAHMAN

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
15:40 - 16:00	ITTP-T1-126	IDENTIFICATION OF COVID-19 INFECTED INDIVIDUALS USING COUGH SOUNDS

ROOM	7
DATE	7th AUGUST 2021 (SATURDAY)
SESSION 2	
CHAIR	DR. FATMAWATI, M.SI
CO-CHAIR	DR. NURINA FITRIANI, S.T
	ASSOC. PROF. DR. NORAFIDA ITHNIN

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
16:00 - 16:20	ITTP-T1-597	INTERACTION WITH ELECTRONIC MEDICAL RECORD SYSTEMS OF RURAL PRIMARY HEALTH FACILITIES DURING THE COVID-19 PANDEMIC
16:20 - 16:40	ITTP-T1-592	OPPORTUNITIES FOR IOT TECHNOLOGIES IN EDUCATION AND THEIR CONSTRAINTS: A REVIEW
16:40 - 17:00	ITTP-T1-218	TRANSFER LEARNING FOR COVID-19 CLASSIFICATION BASED ON CHEST X-RAY IMAGES
17:00 - 17:20	ITTP-T1-069	HIGH EFFECTIVE ANTIMICROBIAL PHOTOCATALYST OF COPPER DOPED TITANIA AS A SURFACE FINISHING
17:20 - 17:40	ITTP-T1-614	THE RELATIONSHIP BETWEEN PERCEPTIONS ABOUT COVID 19 AND BEHAVIOR OF IMPLEMENTING HEALTH PROTOCOLS ON INFORMAL WORKERS GARMENT INDUSTRY IN BANYUWANGI
17:40 - 18:00	ITTP-T1-000	UWB TRACKER APPLICATION FOR COVID-19 PATIENTS IN A HOSPITAL ENVIRONMENT

ROOM	9
DATE	7th AUGUST 2021 (SATURDAY)
SESSION 1	
CHAIR	DR. CHALEE VORAKULPIPA
CO-CHAIR	ASSOC. PROF. DR. WAN NURHAYATI WAN AB. RAHMAN
	ASSOC. PROF. DR. WAN ZUHA WAN HASAN

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
14:00 - 14:20	ITTP-T1-329	PATIENT HOME MONITORING SYSTEM USING WEARABLE DEVICE
14:20 - 14:40	ITTP-T1-092	COMPUTER VISION FOR MONITORING THE USE OF MASKS IN THE PANDEMIC ERA
14:40 - 15:00	ITTP-T1-192	RISE IN MICROPLASTIC POLLUTION DUE TO COVID-19 PANDEMIC: A REVIEW
15:00 - 15:20	ITTP-T1-337	COVID-19 RISK ASSESSMENT BASED ON SORE THROAT CONDITIONS BY USING MACHINE LEARNING
15:20 - 15:40	ITTP-T1-125	SOCIAL DISTANCE MONITORING USING A LOW-COST 3D SENSOR

ROOM	9
DATE	7th AUGUST 2021 (SATURDAY)
SESSION 2	
CHAIR	ASSOC. PROF. DR. OTHMAN IBRAHIM
CO-CHAIR	DR. CHALEE VORAKULPIPA
	ASSOC. PROF. IR. DR. ZOOL HILMI ISMAIL

MALAYSIA TIME (GMT+08)	SUBMISSION ID	PAPER TITLE
16:00 - 16:20	ITTP-T1-332	PERSON IDENTIFICATION BASED ON LOW-QUALITY MASKED FACE IMAGES USING MACHINE LEARNING
16:20 - 16:40	ITTP-T1-331	PATIENT MANAGEMENT SYSTEM IN THE EMERGENCY DEPARTMENT DURING COVID-19 PANDEMIC USING TECHNOLOGY I.R 4.0
16:40 - 17:00	ITTP-T1-412	PERSON IDENTIFICATION BASED ON LOW QUALITY EYE IMAGES USING ARTIFICIAL INTELLIGENCE
17:00 - 17:20	ITTP-T1-315	MULTI MODAL PERSON LOCATION VISUALIZATION SYSTEM IN HOSPITAL
17:20 - 17:40	ITTP-T1-108	OPPORTUNITIES AND CHALLENGES FOR GREEN IT



## BEST PAPER AWARDS CRITERIA

Article	Mark
Abstract	1-10
Extended Abstract	1-20
Full Paper	1-30

Content	Mark	
The presenter provides clear explanation to the research work(Problem Statement, Objective, Method, Result, Analysis, Conclusion)	1	Only 1 of 6 criteria is clearly explained.
	2	Method and Result are not clear and conclusion is not given
	3	Method and Result are not clear
	4	Problem, Objective and Method are not stated clearly
	5	Problem and Objective are not stated clearly
	6	Problem statement is not stated clearly
	7	Conclusion is not given
	8	Methodology is not stated clearly
	9	Analysis is not stated clearly
	10	Provide all 6 criteria clearly

CONTENT	MARK	
The Video Presentation (Language and Understanding)	1	Many spelling error (>10) Many (>10) grammar mistake Difficult to be understood
	2	Several (>5-10) spelling error Several (>5-10) grammar mistake Difficult to be understood
	3	Few (<5) spelling error Few (<5) grammar mistake Difficult easy to be understood
	4	Several (>5-10) spelling error Several (>5-10) grammar mistake Less easy to be understood
	5	Few (<5) spelling error Few (<5) grammar mistake Less easy to be understood
	6	Several (>5-10) spelling error Several (>5-10) grammar mistake Easy to be understood
	7	Several (>5-10) spelling error Few (<5) grammar mistake Easy to be understood
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	9	Few (<5) spelling error No grammar mistakes

		Easy to be understood
	10	No spelling error No grammar mistakes Easy

Content	Mark	
Presentation duration	1	More than 13 minutes 30 seconds
	2	13 minutes ± 30 seconds
	3	12 minutes ± 30 seconds
	4	11 minutes ± 30 seconds
	5	5 minutes ± 30 seconds
	6	6 minutes ± 30 seconds
	7	7 minutes ± 30 seconds
	8	8 minutes ± 30 seconds
	9	9 minutes ± 30 seconds
	10	10 minutes ± 30 seconds

Content	Mark	
The findings of research are useful and contribute significantly to pandemic Covid19	1	Contribute Bad Impact
	2	Contribute No Impact
	3	Contribute Less Impact

	4	Contribute Average Impact
	5	Significant Contribution Impact only University level
	6	Significant Contribution Less Impact Local level
	7	Significant Contribution To Local level Impact
	8	Significant Contribution To National level Impact
	9	Significant Contribution To ASEAN Countries level Impact
	10	Significant Contribution To International level Impact

Content	Mark	
The presenter spends the right amount of time on each point elaborated	1	Introduction 8 minutes Conclusion 1 minutes
	2	Introduction 7 minutes Material & method 2 minutes Result & Analysis 0 minutes Conclusion 1 minutes
	3	Introduction 6 minutes material & Method 3 minutes Result & Analysis 0 minutes Conclusion 1 minutes
	4	Introduction 6 minutes material & method 1 minutes Result & analysis 1 minutes conclusion 1 minutes
	5	Introduction 3 minutes material & method 3 minutes

		Result & analysis 3 minutes conclusion 1 minutes
	6	Introduction 1 minutes material & method 6-7 minutes Result & analysis 1 minutes conclusion 1 minutes
	7	Introduction 1 minutes material & method 1 minutes Result & analysis 6-7 minutes conclusion 1 minutes
	8	Introduction 1 minutes material & method 5-6 minutes Result & analysis 2-3 minutes conclusion 1 minutes
	9	Introduction 1 minutes material & method 4-5 minutes Result & analysis 3-4 minutes conclusion 1 minutes
	10	Introduction 1 minutes material & method 3-4 minutes Result & analysis 4-5 minutes conclusion 1 minute

Content	Mark	
Q & A for author (Novelty & contribution)	1	No question
	2	1 Less good answer
	3	1 moderate answer
	4	1 Good answer
	5	1 Very good answer
	6	2 Good answer
	7	2 Very good answer
	8	3 Good answer
	9	3 Very good answer
	10	More than 3 very good answer



## LIST OF JOURNAL AND PROCEEDING

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- \* To be confirm

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2.0 [technical@ittpcovid19.net](mailto:technical@ittpcovid19.net) (Submission system issues/difficulties)

3.0 [secretariat@ittpcovid19.net](mailto:secretariat@ittpcovid19.net) (Secretariat matters)

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