



KEMENTERIAN PENGAJIAN TINGGI
JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI

POLITEKNIK
MALAYSIA
SULTAN SALAHUDDIN ABDUL AZIZ SHAH

e-PROCEEDING **CiE-TVET** VIRTUAL CONFERENCE 2022

12th NATIONAL CONFERENCE
IN TECHNICAL EDUCATION & VOCATIONAL TRAINING 2022

5-6 SEPTEMBER 2022

POLITEKNIK SULTAN SALAHUDDIN ABDUL AZIZ SHAH



e-Proceeding of 12th National
Conference in Technical Education and Vocational Training 2022
(CiE-TVET 2022)

TVET EDUCATION: LEVERAGING THE FUTURE

5-6 SEPTEMBER 2022
POLITEKNIK SULTAN SALAHUDDIN ABDUL AZIZ SHAH

Hak Cipta ©Politeknik Sultan Salahuddin Abdul Aziz Shah, 2022

Hak Cipta terpelihara. Tidak dibenarkan mengeluar ulang mana-mana bahagian artikel, ilustrasi dan isi kandungan buku ini dalam apa juga bentuk dan dengan cara apa jua sama ada secara elektronik, fotokopi, mekanik, rakaman, atau cara lain sebelum mendapat izin bertulis daripada pengarah Politeknik Sultan Salahuddin Abdul Aziz Shah.

e-Proceeding of 12th National
Conference in Technical Education and Vocational Training 2022

No eISBN: 978-967-0032-50-4

e ISBN 978-967-0032-50-4



9 7 8 9 6 7 0 0 3 2 5 0 4
e-Proceeding CiE-TVET 2022

Ketua Editor:

Ts. Dr. Ainul Haezah Noruzman

Editor:

Yusnita Yusof

Dr. Siti Anizah Muhammed

Muhammad Afiq Faisal Muhammad Ilias

Pereka Grafik:

Mohd Firdaus Sedet

Diterbitkan oleh:

UNIT PENERBITAN
Politeknik Sultan Salahuddin Abdul Aziz Shah
Persiaran Usahawan
Seksyen U1
40450 Shah Alam
Selangor Darul Ehsan
No. Tel: 03 – 5163 4000
No. Faks: 03 – 5563 1903

Eco Bathroom Dryer

Zurena Lemen*, Isma Afiza Ismail

Politeknik Sultan Salahuddin Abdul Aziz Shah, Persiaran Usahawan, Seksyen U1, 40150 Shah Alam, Selangor, Malaysia
zurena@psa.edu.my

ABSTRACT

Toilet and bathroom accidents often occur in residential areas. Accidents can lead to various problems, especially injuries that are serious and fatal. A common problem encountered in toilets and bathrooms is that the floor is wet. The wet ground will affect the walking speed of the user. The damp ground became the culprit of the accident. The existing dryers are bulky, and are especially used for toilets in supermarkets or shopping malls. Therefore, our research is to produce water that is small in size and easy to dry on the ground. The goal of use is to help reduce bathroom and toilet accidents in the home, and to promote maintenance work while performing maintenance. In addition, the method used therein determines the problem that occurs. The data analysis techniques used come from questionnaire surveys and internal research. In addition, we have created design projects to ensure that these products can reduce unexpected problems applicable to homes. Then create a project design based on the data we reviewed. The implementation of the project is carried out at the specified time and place. In this study, the products produced can reduce problems that occur in small areas such as homes and offices.

Keywords: dryer, components, design, scope

1. INTRODUCTION

Bathroom and toilet accidents have become a major problem nationwide and even globally. According to a study by the Centres for Disease Control and Prevention (CDC), more than 800,000 patients are hospitalized for falls and injuries each year. As early as 2018, Malaysia's National Health and Morbidity Survey (NHMS) reported that 15% of adults over 60 had a fall at least once every 12 months. One in two was injured and one in five was hospitalized. In addition, in the Queensland bathroom accident data in the United States, 40% of accidents occurred in the bathroom under the age of 5, and 80% of these accidents were caused by slips. Toilet and bathroom accidents caused by slips are mainly due to wet bathroom and toilet floors. Therefore, the research produced the idea of producing ecological bathroom floor dryers. Compared with existing products, this product has a larger air outflow surface area, and has improved in terms of increasing product fragrance.

2. RESEARCH BACKGROUND

The existing floor dryers on the market are often used in public and industrial toilets such as shopping malls and offices because of the wind energy capacity of up to 1000W, which can dry a larger space. Unfortunately, this type of floor dryer is not suitable for residential use because the size of this type of dryer is not suitable for moving in a small space such as a residential bathroom or toilet. In addition, one of the reasons why domestic residents do not buy this floor-standing dryer is because its price is relatively expensive, reaching RM1000, so we want to use the used energy to produce affordable products.

The main problem of accidents in bathrooms and toilets is that the wet floors are not dried in time. This will cause children who have just learned to walk and elderly people who are slow to walk cannot adapt to the moisture on the ground in time, and accidentally slip and fall. The two project questions that will answer the research goals are: Can eco-friendly bathroom floor dryer products work effectively? And Can the product dry the toilet floor immediately?

The scope of this study is focused on the bathrooms of standard-sized houses. This is because the majority of reported accidents such as falls and slips often involve the occupants of the house. And it is more suitable for families with children and the elderly to prevent accidents.

3. METHODOLOGY

The effectiveness of this research is to determine whether these floor dryers can be used at home, but also not only for bathrooms and toilets. In addition, these floor dryers are affected by many factors, such as size, floor moisture, and bathroom or toilet space.

In order to ensure the normal operation of the floor dryer, it needs to be systematically monitored and used from time to time. In this way, the floor dryer can be used for a longer time, while saving costs, and even allowing students to develop awareness of caring for the environment in their daily lives. With this flowchart, it encourages more orderly and systematic use of time because it can follow all instructions so accurately and perfectly.

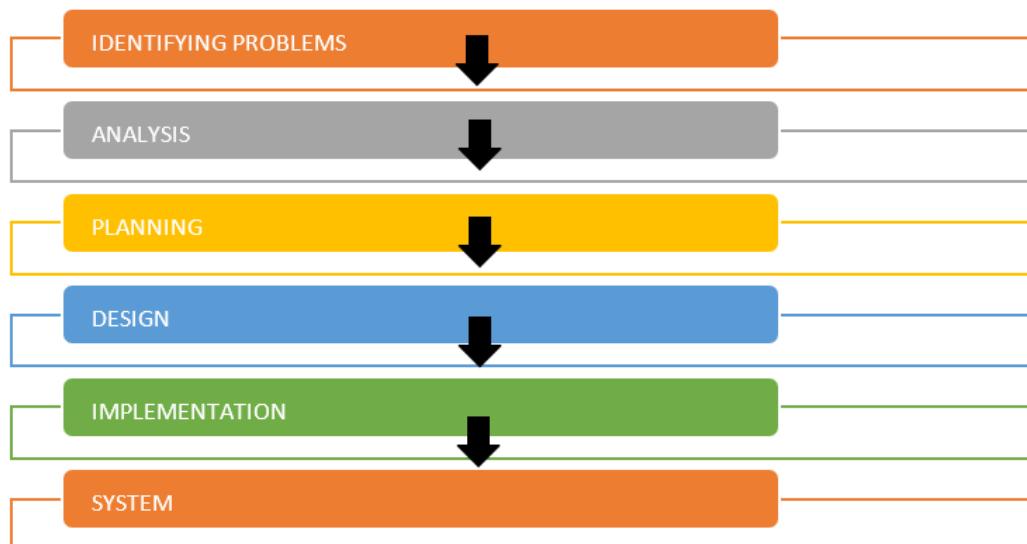


Figure 1: Methodology Flow Chart (Vertical Box List)

4. RESULT & DISCUSSION

This chapter aims to display the data and analysis of the study. Data and analysis are presented in the form of tables, figures and statements to enable important findings to be clearly explained. There are two types of effectiveness studies done on the project which will be explained further in the next description to achieve the project objectives.

4.1 Testing Data

Based on the Table 1, there are two tests conducted, namely testing the drying time of the bathroom floor naturally and testing the drying time of the bathroom floor using the Eco Bathroom Floor Dryer. In this test, the same amount of water was used, 1.2 litres of water.

Table 1: Test drying time

Toilet area (m ²)	Natural drying time (minutes)	Dry floor time (minutes)
3.8 m ²	40 minutes	25 minutes
1.4 m ²	23 minutes 28 second	10 minutes 30 second

4.2 Analysis Results of Respondents from The Questionnaire Form.

The questionnaire form generated from Google Form consists of three parts, namely Part A; Demographic Background, Part B; Product effectiveness and Part C Respondents opinion and suggestions. There are 102 respondents who have answered this questionnaire.

Table 2: Demographic background

ESTIMATED AGE	PERCENTAGE	FREQUENCY
18-20	33.30%	34
21-30	26.50%	27
31-40	6.90%	7
41-50	17.60%	18
51-60	15.70%	16

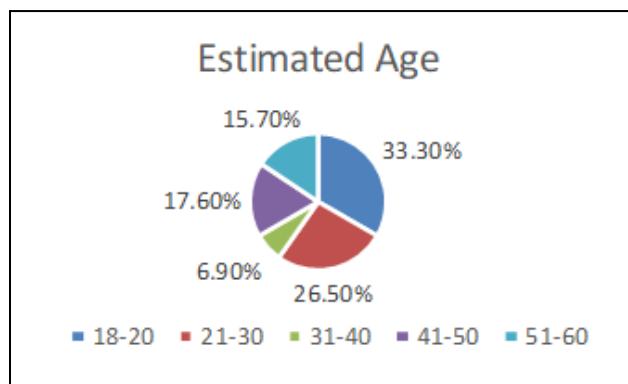


Figure 2: Estimated age analysis

Based on Figure 2 there are various age groups who have answered this questionnaire to get views from various age groups for this product. This is because, based on literature studies, it is said that slips in the bathroom often happen to the elderly, so this questionnaire is also to identify whether other groups have or often experience accidents in the bathroom.

Table 3: Status

STATUS	PERCENTAGE	FREQUENCY
Married	46.10%	55
Single	53.90%	47

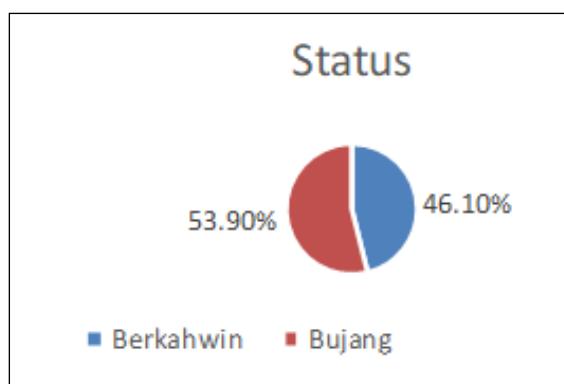


Figure 3: Respondent status

Based on Figure 3, it was found that the respondents who answered this questionnaire consisted of 55 married people and 47 single people. This data is needed to find out the frequency of bathroom use considering the number of occupants in the house.

Table 4: Job

JOB	PERCENTAGE	FREQUENCY
Working	17.60%	18
Housewife	38.20%	39
Student	43.10%	44
Not working	1.00%	1

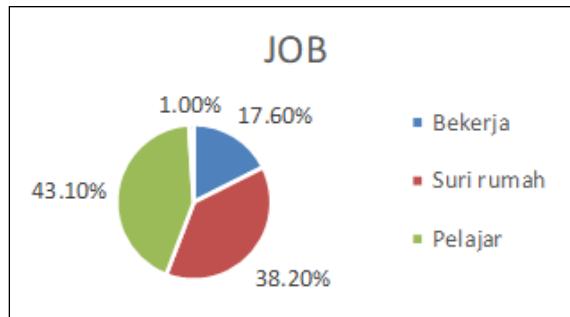


Figure 4: Respondent's occupation

Based on Figure 4, there are four types of jobs that are questioned in order to identify the frequency of use of the bathroom toilet in the toilet of a residential house. For housewives and non-workers, there is a high risk of having an accident in the toilet of a residential house because they spend more time at home than those who work.

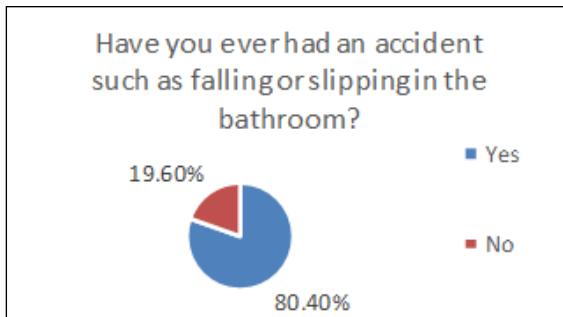


Figure 5: Response to an accident in the toilet

Based on Figure 5, there are 82 respondents who have had an accident in the bathroom while there are 20 respondents who have never experienced it.

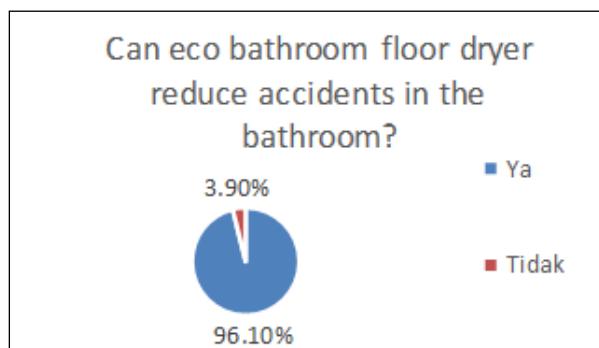


Figure 6: Response to an accident in the toilet

Based on Figure 6, most respondents agree that the Eco Bathroom Floor Dryer is able to reduce accidents in the bathroom based on the video attached in the questionnaire.

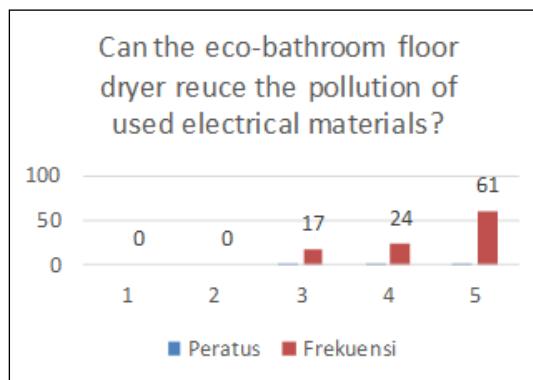


Figure 7: Pollution reduction feedback graph

Based on Figure 7, there are four levels chosen by the respondents, the level of strongly agreeing is the highest at 59.8% while the level of agreeing is the second highest selection at 23.5%, the level of moderate is at 16.7% and there is no response for the level of disagreeing and strongly disagreeing. According to the data, most respondents strongly agree with the use of used electrical appliances and used materials as an application of the eco concept, which is to reduce environmental pollution.

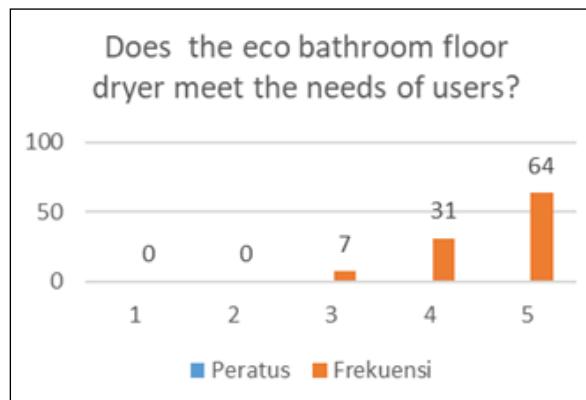


Figure 8: Pollution reduction feedback graph.

Based on Figure 8, there are 62.7% on the strongly agree scale, 30.4% on the agree scale and 6.9% on the moderate scale. From the data, most respondents strongly agree that the Eco Bathroom Floor Dryer can meet the needs of users. This is because, this product is the best alternative in solving problems faced by residents of residential houses.

5. CONCLUSION

The Eco Bathroom Floor Dryer that was innovated as a wet bathroom floor dryer has achieved all the objectives of the study which is the first objective is to identify and test the effectiveness of the Eco Bathroom Floor Dryer which has been proven effective by achieving the second objective which is to produce a product that can dry the bathroom floor.

As explained in the previous chapter, Eco Bathroom Floor Dryer has managed to dry the bathroom floor twice as fast as the natural drying time. Next, the third objective of the study has also been achieved, which is to produce an affordable product.

From the market price proposal from the respondents, it was found that the price rate can provide a worthwhile return when compared to the actual cost of the project and the price is very affordable for the residents of residential houses to buy it. In conclusion, the Eco Bathroom Floor Dryer has achieved all the objectives of the study and can raise awareness about the importance of safety in the bathroom and can be improved for future projects.

REFERENCE

- Bilik air. https://ms.wikipedia.org/wiki/Bilik_air [Mac.25, 2021].
- Jenis juben di bilik air. <https://ms.experrexpro.com/kak-vybrat-plitku-dlya-vannoy-komnaty-i-tualeta/> [Mac.25, 2021].
- Jenis tandas rumah kediaman. <https://ms.caminoescolar.org/types-of-bathrooms-4800> [Mac.25, 2021]
- Berita Kemalangan di tandas rumah kediaman.
<https://www.bharian.com.my/berita/wilayah/2017/10/338314/sejam-kakitersangkut-dalam-lubang-tandas> [Apr.25, 2021].
- Statistik tergelincir di tandas. <https://www.cdc.gov/> [Apr.25, 2021].
- Jenis lantai tandas. <https://www.impiana.my/5-pilihan-kemasan-lantai-terbaik-untuk-tandas-anda/> [Apr.25, 2021].
- Pengering lantai. https://en.wikipedia.org/wiki/Centrifugal_fan [Apr.25, 2021].
- Kategori bateri. https://ms.wikipedia.org/wiki/Bateri#Kategori_dan_jenis_bateri [Apr.25, 2021].
- Wayar nikrom. <https://ms.atomiyem.com/nichrome-wire-ciri-ciri-dan-aplikasi/> [Apr.25, 2021].
- Jenis wayar kerja pendawaian. <http://elektrik-smkpandanjaya.blogspot.com/2009/04/jenis-wayar-dan-kerja-pendawaian.html> [Apr.25, 2021]
- Jenis roda mini. <https://ms.wikipedia.org/wiki/Roda> [Apr.25, 2021].
- Kelebihan pematerian. <https://ms.mosg-portal.com/advantages-soldering-5932136-381> [Jan. 19 ,2022].
- Fungsi dan Kelebihan menggunakan Hot Glue Gun. <http://bangbanginfo.blogspot.com/2018/04/fungsidi-kelebihan-hot-gun-glue-sticks.html> [Jan.19, 2022]
- Berita Harian. (2017). Sejam tersumbat dalam lubang tandas, p. 1. 22 Apr, 2021.



KEMENTERIAN PENGAJIAN TINGGI
JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI



BUKU PROGRAM

cIE-TVET VIRTUAL CONFERENCE 2022

12th NATIONAL CONFERENCE
IN TECHNICAL EDUCATION & VOCATIONAL TRAINING 2022

5-6 SEPTEMBER 2022

POLITEKNIK SULTAN SALAHUDDIN ABDUL AZIZ SHAH



ISI KANDUNGAN

Kata Alu-Aluan

Kata Alu-Aluan Dr Zubaidah binti Aman
Timbalan Pengarah (Perancangan)
Jabatan Pendidikan Politeknik dan Kolej Komuniti

1

Kata Alu-Aluan Dr. Riam a/p Chau Mai
Pengarah Pusat Penyelidikan dan Inovasi,
Jabatan Pendidikan Politeknik dan Kolej Komuniti

2

Kata Alu-Aluan Dr. Hj. Mohd Zahari bin Ismail
Pengarah Politeknik Sultan Salahuddin Abdul Aziz Shah

3

Aturcara Majlis

4

Jadual Pembentangan

5-11

Senarai Jawatankuasa Induk

12

Senarai Jawatankuasa Pelaksana

13-15

KATA ALU-ALUAN

TIMBALAN KETUA PENGARAH (PERANCANGAN)

Assalamualaikum Warahmatullahi Wabarakatuh, Salam Sejahtera dan Salam Keluarga Malaysia.

Setinggi-tinggi kesyukuran kepada Allah S.W.T kerana dengan limpah *kurniaNya 12th National Conference in Technical Education and Vocational Training (CiE-TVET) 2022* dapat dilaksanakan dengan jayanya.

Sekalung tahniah diucapkan kepada seluruh warga Politeknik Sultan Salahuddin Abdul Aziz Shah serta jawatankuasa yang bertungkus lumus bagi menjayakan CiE-TVET 2022 sehinggahal mencapai kemuncaknya pada hari ini. Syabas dan tahniah juga diucapkan kepada para peserta seminar CiE-TVET 2022. Perkongsian ilmu dalam kalangan para penyelidik amat diperlukan agar bidang pendidikan dan penyelidikan Negara sentiasa ke hadapan.

Sejajar dengan kemajuan teknologi IR4.0, tenaga pengajar bertanggungjawab mengembangkan minat, bakat dan kebolehan pelajar. Mereka harus bersikap peka dan responsif kepada sebarang bentuk perubahan teknologi dalam industri agar tidak ketinggalan zaman apabila berhadapan dengan para pelajar.

Justeru, CiE-TVET 2022 kali ini dilihat sebagai salah satu platform bagi para penyelidik untuk bertemu dan saling berkongsi hasil penyelidikan di antara satu sama lain. Perkongsian sebegini juga dapat meningkatkan kualiti keilmuan dalam kalangan ahli akademik seraya menyemai pembudayaan aktiviti penyelidikan di intitusi pengajian tinggi terutamanya di Politeknik dan Kolej Komuniti Malaysia. Ini seterusnya meletakkan Politeknik dan Kolej Komuniti ke persada kecemerlangan dan menjadi peneraju TVET negara yang unggul dan disegani.

Sekian, terima kasih.



YBrs. Dr ZUBAIDAH BINTI AMAN
TIMBALAN KETUA PENGARAH (PERANCANGAN)
JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI

KATA ALU-ALUAN

PENGARAH PUSAT PENYELIDIKAN DAN INOVASI

Salam Sejahtera dan Salam Keluarga Malaysia.

Terlebih dahulu syabas saya ucapan kepada warga Politeknik Sultan Salahuddin Abdul Aziz Shah (PSA) serta seluruh jawatankuasa yang terlibat atas komitmen dalam menjayakan penganjuran *12th National Conference In Education-Technical and Vocational Education and Training* (Cie-TVET 2022).

Syabas dan tahniah saya ucapan kepada pembentang dan peserta seminar Cie-TVET 2022 kali ke -12. Saya percaya dengan adanya seminar seperti ini, kita dapat terus menyemarakkan semangat penyelidikan dalam kalangan warga JPPKK untuk lebih produktif di samping menggilap bakat penulis baharu. Tidak lupa juga saya ingin merakamkan penghargaan dan ucapan tahniah kepada semua ahli jawatkuasa seminar kali ini.

Agenda pemerkasaan Pendidikan Teknikal dan Latihan Vokasional (TVET) yang didukung Jabatan Pendidikan Politeknik dan Kolej Komuniti (JPPKK) adalah selaras dengan hasrat negara dalam membangunkan aktiviti ekonomi berasaskan pengetahuan dan inovasi dengan melahirkan graduan TVET berkualiti. Oleh itu, perkongsian ilmu perlu diberi penekanan bagi memastikan ia sentiasa relevan, kini dan pada masa hadapan. Dapat saya simpulkan bahawa penganjuran seminar ini berjaya bertindak sebagai medium ilmu yang dipertanggungjawabkan untuk menyebarkan hasil kajian penyelidik.

Akhir kata, setinggi-tinggi ucapan tahniah dan terima kasih atas komitmen dan kerjasama yang diberikan kepada warga Politeknik Sultan Salahuddin Abdul Aziz Shah untuk penganjuran pada seminar Cie-TVET 2022 pada tahun ini. Diharap hasil penganjuran seminar kali ini dapat meningkatkan pengetahuan dan menjadi pemangkin ke arah kecemerlangan pendidikan TVET serta bakal mencorak aliran pendidikan yang lebih berkualiti di masa akan datang.

Sekian, terima kasih.

YBrs. DR. RIAM A/P CHAU MAI
PENGARAH,
PUSAT PENYELIDIKAN DAN INOVASI,
JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI



KATA ALU-ALUAN

PENGARAH POLITEKNIK SULTAN SALAHUDDIN ABDUL AZIZ SHAH

Assalamualaikum Warahmatullahi Wabarakatuh, Salam Sejahtera dan Salam Keluarga Malaysia.

Alhamdulilah terlebih dahulu syukur ke hadrat Allah S.W.T. atas kurnia-Nya dan keizinan-Nya CiE-TVET 2022 berjaya dilaksanakan. Terima kasih kerana memberi kepercayaan kepada Politeknik Sultan Salahuddin Abdul Aziz Shah bagi menganjurkan seminar kali ini.

Tema “TVET Education: Leveraging the Future” yang bermaksud pendidikan TVET adalah satu pelaburan untuk masa hadapan yang dipilih sangat signifikan dan bertepatan dengan usaha kerajaan untuk memperkasakan TVET. Kelayakan pendidikan yang tinggi bagi menyokong pembangunan pengetahuan dan inovasi, tahap kemahiran yang tinggi dalam bidang teknikal dan profesional, serta paras produktiviti yang tinggi adalah ciri utama modal insan dan tenaga kerja negara berpendapatan tinggi.

Seminar ini turut memberi penghargaan kepada semua pembentang dan penyelidik yang terlibat secara langsung dan tidak langsung. Syabas dan tahniah kepada semua peserta yang banyak memberi sumbangan dalam bidang penyelidikan. Saya berharap seminar ini menjadi pemacu untuk pensyarah, staf dan pelajar untuk berkongsi ilmu pengetahuan bagi meningkatkan nilai kepakaran dalam bidang dan melatih pensyarah, staf dan pelajar untuk berfikir secara kreatif dan kritis bagi mencetus transformasi berkesan.

Setinggi-tinggi penghargaan juga diucapkan kepada semua pihak terutama ahli jawatankuasa yang bertungkus-lumus menjayakan *National Conference In Education-Technical And Vocational Education And Training 2022* kali ke-12 ini. Akhir kata, semoga seminar seumpama ini diteruskan dan dijadikan platform kepada warga Politeknik dan Kolej Komuniti untuk terus bersama-sama membudayakan penyelidikan.

Sekian, terima kasih.

YBrs. Dr. HJ. MOHD ZAHARI BIN ISMAIL
PENGARAH
POLITEKNIK SULTAN SALAHUDDIN ABDUL AZIZ SHAH



ATURCARA MAJLIS PENUTUP

TEMPAT: DEWAN AL-JAZARI, PSA

6 SEPTEMBER 2022 (SELASA)

MASA	PERKARA
2.00 petang	Ketibaan Jemputan
2.15 petang	Ketibaan YBrs. Dr. Zubaidah binti Aman Timbalan Pengarah (Perancangan) Jabatan Pendidikan Politeknik dan Kolej Komuniti
2.30 petang	Nyanyian Lagu Negaraku Tayangan Video Keselamatan Ucapan Alu-Aluan oleh YBrs. Dr. Haji Mohd Zahari bin Ismail Pengarah Politeknik Sultan Salahuddin Abdul Aziz Shah Ucapan Penutupan oleh YBrs. Dr. Zubaidah binti Aman Timbalan Pengarah (Perancangan) Jabatan Pendidikan Politeknik dan Kolej Komuniti
3.00 petang	Keynote Speaker : Prof. Ts. Dr. Uda Hashim Pengarah Institute of Nano Electric Engineering (INEE) Universiti Malaysia Perlis (UniMAP)
3.40 petang	Ulasan Ketua Reviewer: Dr Hj. Zunuwanas bin Mohamad Pensyarah Utama Politeknik Sultan Salahuddin Abdul Aziz Shah
3.50 petang	Penyampaian Anugerah Pembentang/ Penyelidikan Terbaik
4.00 petang	Penyampaian Cenderahati
4.15 petang	Sesi Bergambar
4.25 petang	Nyanyian Lagu Politeknik & Kolej Komuniti
4.30 petang	Minum Petang Bersurai
3.40 petang	Ulasan Ketua Reviewer: Dr Hj. Zunuwanas bin Mohamad Pensyarah Utama Politeknik Sultan Salahuddin Abdul Aziz Shah

JADUAL PEMBENTANGAN CiE-TVET 2022

MODERATOR : NURUL AKMAR BINTI KAMARUDDIN JURI 1 : DR. AHMAD AZLAN BIN AB AZIZ JURI 2 : DR. SABARIAH BINTI BOHANUDIN PIC BILIK : SARIMAH BINTI CHE HASSAN		 BILIK 1		
SESI 1 TARIKH: 5/9/2022 (ISNIN) MASA: 9.00 PAGI – 12.00 TENGAHARI				
NO	PAPER ID	TAJUK	NAMA PEMBENTANG	INSTITUSI
1	CIE-TVET 2022-0001	PENGUMPULAN TERMA TENAGA SOLAR BAGI KITARAN RANKINE ORGANIK (ORK)	MUHAMAD ASRUL AFFENDI MAT NOR FARAH WAHEDA BINTI OTHMAN ZULKURNAIN BIN HASSAN	KK PASIR SALAK KK PASIR SALAK POLITEKNIK PORT DICKSON
2	CIE-TVET 2022-0017	MENINGKATKAN KEMAHIRAN MENGUASAI KURSUS APLIKASI KOMPUTER MENGGUNAKAN PENDEKATAN SAMPUL MISTERI	EMARIA AHMAD ABDUL RAHMAN BIN MORNİ	KK KUCHING KK SARIKEI
3	CIE-TVET 2022-0020	GROWTH PERFORMANCE OF THREE PURPLE SWEET POTATO VARIETIES	SITI NURJIAH ABDULLAH	POLITEKNIK JELI
4	CIE-TVET 2022-0048	IOT BASED HOME AUTOMATION AND APPLIANCES CONTROL	MOHAMAD FAIZ BIN JAMALUDIN	PSIS

MODERATOR : SALIZAHANIM BINTI LEMAN JURI 1 : DR. AZIAM BINTI MUSTAFA JURI 2 : DR. MOHAMAD SIRI BIN MUSLIMIN PIC BILIK : HARYANTI BT ABDULLAH		 BILIK 2		
SESI 1 TARIKH: 5/9/2022 (ISNIN) MASA: 9.00 PAGI – 12.00 TENGAHARI				
NO	PAPER ID	TAJUK	NAMA PEMBENTANG	INSTITUSI
1	CIE-TVET 2022-0002	THE IMPACT OF PERCEIVED USEFULNESS, PERCEIVED EASE OF USE, PERCEIVED VALUE AND PERCEIVED RISK ON PURCHASE INTENTION VIA HYPERMARKET DRIVE-THRU AMONG KLANG VALLEY CONSUMERS	PUSHPALATHA APPANAIDU	PSA
2	CIE-TVET 2022-0004	MALAYSIAN SHOPPERS' BEHAVIOR IN E-TAILING	DR. NOORDINI ABDULLAH ROSAMIZA BINTI MEOR RAZAK DR. PARAMESWARI SHUNMUGAM	PSA
3	CIE-TVET 2022-0043	THE IMPACT OF ATTITUDE, AWARENESS, RELIGIOSITY AND KNOWLEDGE ON HIBAH PURCHASE INTENTION AMONG MUSLIM COMMUNITY IN HIGHER LEARNING INSTITUTIONS	DR AZIAM MUSTAFA SITI RAWAIDAH BINTI MOHD RAZIKIN ZAKIAH OTHMAN NOR LAILA HASSAN	PSA
4	CIE-TVET 2022-0057	IDENTIFICATION OF READING IMPAIRMENTS AMONG TVET STUDENTS	DR. PARAMESWARI SHUNMUGAM VIJAYAKUMAR VENGADASALAM	PSA MULTIMEDIA UNIVERSITY
5	CIE-TVET 2022-0059	DEVELOPMENT OF PORTABLE MUSCLE THERAPY FOR SKELETAL MUSCLE INJURY	TS ASMIRA BIN ASHARI YAAKUB BIN OMAR	PSA

JADUAL PEMBENTANGAN CiE-TVET 2022

BILIK 3

MODERATOR : NORANIZAH BINTI SARBANI

JURI 1 : DR. MARLINA BINTI RAMLI

JURI 2 : TS. DR. KANNAN RASSIAH

PIC BILIK : INTAN SYAFIQAH BINTI MOHD SHAH

SESI 1

TARIKH: 5/9/2022 (ISNIN)

MASA: 9.00 – 12.00 TENGAHARI

NO	PAPER ID	TAJUK	NAMA PEMBENTANG	INSTITUSI
1	CIE-TVET 2022-0003	KAJIAN KOMPOSISI DAN PENGASINGAN SISA PEPEJAL DI INDERA MAHKOTA 16, KUANTAN	TEE LIAN YONG NORRIZAH BINTI ABD WAHAB MUHAMAD FIRDAUS BIN CHE AMAT.	POLIAS
2	CIE-TVET 2022-0007	FLEXIBLE SHORING	AIDALIA ENDUT HALIZA BINTI AB KARIM NUR HANANI BINTI DAUD	POLIAS
3	CIE-TVET 2022-0039	PENILAIAN TAHAP KESELESAAN TERMAL DI HOSPITAL KERAJAAN	MUHAMAD ZAKWAN BIN ZAKARIAH NORSYAHIDA BINTI ZAKARIA NURHIDAYU BINTI AZHARI	PKS
4	CIE-TVET 2022-0055	ECO BATHROOM FLOOR DRYER	TS. ZURENA BINTI LEMEN ISMA AFIZA BINTI ISMAIL	PSA
5	CIE-TVET 2022-0008	ECO RUBBER PAVER	AIDALIA BINTI ENDUT NURUL IZZA BINTI ABD GHANI	POLIAS

JADUAL PEMBENTANGAN CiE-TVET 2022

BILIK 4

MODERATOR : DIANA BINTI NASARUDDIN JURI 1 : DR. ZAINATULIZA BINTI ZAINAL ABIDIN JURI 2 : DR. YUSRIZAL SUFARDI BIN MOHD YUNAN PIC BILIK : SITI AISHAH BINTI AB JALIL				
SESI 1 TARIKH: 5/9/2022 (ISNIN) MASA: 9.00 – 12.00 TENGAHARI				
NO	PAPER ID	TAJUK	NAMA PEMBENTANG	INSTITUSI
1	CIE-TVET 2022-0014	POLITEKNIK MERSING STUDENT'S SCORES IN THE TOEIC® LISTENING AND READING TEST	NORHASLINDA BINTI MUHAMADIN ADLEENA ADHA BINTI ABDUL MUA'AIN BAIZURA HASNI	POLITEKNIK MERSING POLITEKNIK TUN SYED NASIR SYED ISMAIL POLITEKNIK MERSING
2	CIE-TVET 2022-0023	TAHAP KEPUASAN DAN PERSEPSI PELAJAR POLITEKNIK SULTAN AZLAN SHAH TERHADAP PEMBELAJARAN DALAM TALIAN	HAFIZA IBRAHIM SITI NOOR OTHMAN AZIA IDAYU AWANG	POLITEKNIK SULTAN AZLAN SHAH
3	CIE-TVET 2022-0016	KAJIAN KEPUASAN PELAJAR KOLEJ KOMUNITI KUCHING TERHADAP MUZIUM BUDAYA BORNEO SEBAGAI TEMPAT PEMBELAJARAN DIGITAL	EMARIA BINTI AHMAD ABDUL RAHMAN BIN MORNİ	KOLEJ KOMUNITI KUCHING, SARAWAK. KOLEJ KOMUNITI SARIKEI, SARAWAK.
4	CIE-TVET 2022-0022	KECENDERUNGAN PELAJAR KHAS BERMASALAH PENDENGARAN DALAM MEMILIH PENGAJIAN BIDANG TVET DI INSTITUSI PENGAJIAN TINGGI MALAYSIA	THENMOLY RAMACHANTHIRAN SITI KHALIJAH JAMAL NURUS SADIQIN ABDUL RAZAK KHAN NURUL AINI MOHD AHYAN	UTM PSA PSA UTM
5	CIE-TVET 2022-0024	HUBUNGAN ANTARA TAHAP KEPUASAN DAN PERSEPSI PELAJAR POLITEKNIK SULTAN AZLAN SHAH TERHADAP NORMA PEMBELAJARAN DALAM TALIAN	AZIA IDAYU AWANG SITI NOOR OTHMAN HAFIZA IBRAHIM	PSAS

JADUAL PEMBENTANGAN CIE-TVET 2022

BILIK 5

MODERATOR : NOOR HAYATI BINTI MAT TAIB				
JURI 1	: DR. SITI ANIZAH BINTI MUHAMED			
JURI 2	: DR. FAZIDA BINTI ADLAN			
PIC BILIK	: SITI RAWAIDAH BINTI MOHD RAZIKIN			
SESI 1 TARIKH: 5/9/2022 (ISNIN) MASA: 2.00 – 5.00 TENGAHARI				
NO	PAPER ID	TAJUK	NAMA PEMBENTANG	INSTITUSI
1	CIE-TVET 2022-0037	REKABENTUK ALAT PEMOTONG MUDAH ALIH SERBAGUNA	DR. MOHD ELIAS DAUD	PSA
2	CIE-TVET 2022-0030	PERKEMBANGAN PERKHIDMATAN DIGITAL PERPUSTAKAAN: ISU DAN CABARAN DI PERPUSTAKAAN IBNU KHALDUN	SITI ZUBAIDAH AHMAD NORHAYATI MAJID DR. AINUL HAEZAH NORUZMAN	PSA
3	CIE-TVET 2022-0044	KEBOLEHGUNAAN DAN KESAN APLIKASI MUDAH ALIH (MOBILE APPS) DALAM MENGESEN KEDUDUKAN MOTOSIKAL	NORMILA BINTI MOKHTAR SHAHIDA BINTI YUSOF YOGADEVI SUPRAMANIAM	PSAS
4	CIE-TVET 2022-0046	PERSEPSI PERMAINAN CROWD PAIR CARD DALAM PENGAJARAN DAN PEMBELAJARAN	NONI LELA HAYATI BINTI AYOB DEK AFIFA BINTI NORDAN NUR SYAMSINA BINTI AB AZIZ	PMM

BILIK 6

MODERATOR : NAAGAJOOTHI A/P ADIN NARAINA				
JURI 1	: DR. NORZIANIS BINTI REZALI@ABDUL SUKOR			
JURI 2	: DR. NORAZWA BINTI AHMAD ZOLKIFLI			
PIC BILIK	: SURIA BINTI MD YUSOF			
SESII TARIKH: 5/9/2022 (ISNIN) MASA: 2.00 – 5.00 PETANG				
NO	PAPER ID	TAJUK	NAMA PEMBENTANG	INSTITUSI
1	CIE-TVET 2022-0033	KEBERKESANAN PENGGUNAAN APPVIDS 1.0 SEBAGAI ALAT BANTU MENGAJAR BAGI KURSUS DYA 30083: BASIC ROBOTIC & AUTOMATION IN AGRICULTURE DI POLITEKNIK SANDAKAN SABAH	SAMSUR BIN NONGKANG ARMANJAYA BIN AMIRULLAH NORSHAHADAH BINTI ABD RAHMAN	POLITEKNIK SANDAKAN
2	CIE-TVET 2022-0041	INDUSTRIAL VISITING LECTURERS PROGRAMME IN UNDERGRADUATE STUDIES: REFLECTION ON STUDENTS' LEARNING	DR NORHASLIN ABU HASSAN MOHAMAD HANIF MOHAMAD SALLEH	POLITEKNIK TAWAU SABAH
3	CIE-TVET 2022-0042	KAJIAN DAN ANALISIS PASARAN KE ARAH TVET UNTUK PROGRAM SIJIL REKABENTUK DALAMAN 2013-2020	AMIRUDDIN MAT MUHAPIS A HAKIM MD ALIMI YASINAN RAMLI MOHAMED HARYATY SUA LIYA SUKIMIN	KOLEJ KOMUNITI SHAH ALAM
4	CIE-TVET 2022-0052	THE RELATIONSHIP BETWEEN STAFF TEAMWORK WITH THEIR JOB PERFORMANCE AT POLITEKNIK MERLIMAU	NUR SYAMSINA AB AZIZ	POLITEKNIK MERLIMAU

JADUAL PEMBENTANGAN CiE-TVET 2022

BILIK 7

MODERATOR : IDA MARIA BINTI MOHD YUSOFF

JURI 1 : DR. ZANATUL SHIMA BINTI AMINUDDIN

JURI 2 : DR. NOR RAHIMY BINTI KHALID

PIC BILIK : SITI MAHANUM BINTI SHAIK ISMAIL

SESII

TARIKH: 5/9/2022 (ISNIN)

MASA: 2.00 – 5.00 PETANG

NO	PAPER ID	TAJUK	NAMA PEMBENTANG	INSTITUSI
1	CiE-TVET 2022-0054	PENGGUNAAN PLATFORM MICROSOFT TEAMS DALAM PENGAJARAN DAN PEMBELAJARAN KURSUS PROGRAMMING FUNDAMENTALS BAGI PELAJAR SEMESTER 2 POLITEKNIK SULTAN HAJI AHMAD SHAH: PENERIMAAN PELAJAR DAN KEMUDAHAN PENGGUNAAN PLATFORM	NOR HAMIZA BINTI GHAZALI	POLISAS
2	CiE-TVET 2022-0056	STAR/DELTA 3 PHASE SYSTEM: EDUCATIONAL TRAINER	SHARMIZA KAMARUDDIN BAKISS HIYANA ABU BAKAR RINA RAHA ABDUL HAMID	POLISAS POLISAS KK PASIR SALAK
3	CiE-TVET 2022-0049	KAJIAN GAYA PEMBELAJARAN TERHADAP PELAJAR KEJURUTERAAN MEKANIKAL, POLITEKNIK MERLIMAU MELAKA	SHARNOL BIN MUSTAFA	POLITEKNIK MERLIMAU
4	CiE-TVET 2022-0011	KAJIAN KEBERKESANAN PEMBANGUNAN E-PROJEK PELAJAR DALAM PENGURUSAN DAN PEMBELAJARAN PROJEK PELAJAR DI POLITEKNIK MELAKA	HUSSEIN MD ZAN SINATU SADIAH SHAPIE SAIFFUL BAHARI OMAR	POLITEKNIK MELAKA
5	CiE-TVET 2022-0035	KEBOLEHPASARAN GRADUAN PSA: SATU KAJIAN PERBANDINGAN ANTARA GRADUAN JABATAN PERDAGANGAN DENGAN JABATAN KEJURUTERAAN	NORLELA BINTI ZAMAN ROSAMIZA MEOR RAZAK NOR LAILA BINTI HASSAN	PSA

JADUAL PEMBENTANGAN CIE-TVET 2022

BILIK 8

MODERATOR : WAN NORHIDAYAH BINTI WAN MOHAMED NOOR
JURI 1 : DR. BAHARUDDIN BIN MUSTAPHA
JURI 2 : TS. DR. ZUNUWANAS BIN MOHAMAD
PIC BILIK : NOR LAILA BINTI HASSAN

SESI II
TARIKH: 5/9/2022 (ISNIN)
MASA: 2.00 – 5.00 PETANG

NO	PAPER ID	TAJUK	NAMA PEMBENTANG	INSTITUSI
1	CIE-TVET 2022-0010	THE DEVELOPMENT OF A CHILD ALERT AND NOTIFICATION SYSTEM FOR FORGOTTEN BABY SYNDROME	NUR SURIYA BINTI MOHAMAD RAVENRAJA/L MOGAN	PSA
2	CIE-TVET 2022-0019	AUTOMATED ARM REHABILITATION MONITORING SYSTEM	NUR RABIATUL ADAWIYAH	PSA
3	CIE-TVET 2022-0029	DEVELOPMENT OF FOOT PRESSURE MONITORING SYSTEM USING FORCE SENSOR	NOR KHARUL AINA MAT DIN NIK NOR AFIFAH NIK MOHAMMAD JAFRI	PSA
4	CIE-TVET 2022-0031	THE DEVELOPMENT OF SKIN RESISTANCE ARDUINO-BASED MODULE FOR STRESS MONITORING	ILYA ISMAIL NURIN BATRISYIA ABD RAHMAN NADIAH DIN NURHIDAYA MUSA	PSA

BILIK 9

MODERATOR : Ts. NUR HAZLIN BINTI MD GHARIP
JURI 1 : DR. MOHD SHAHROM BIN ISMAIL
JURI 2 : DR. MOHD ELIAS BIN DAUD
PIC BILIK : ZAKIAH BINTI OTHMAN

SESI II
TARIKH: 5/9/2022 (ISNIN)
MASA: 2.00 – 5.00 PETANG

NO	PAPER ID	TAJUK	NAMA PEMBENTANG	INSTITUSI
1	CIE-TVET 2022-0006	PEMBANGUNAN ALAT BERSISTEMATIK DALAM PEMOTONGAN FABRIK DENGAN KADEAH TEKNOLOGI PINTAR (STM) UNTUK PEMBUAT PAKAIAN	ZAINI MADARSHAH	POLITEKNIK IBRAHIM SULTAN
2	CIE-TVET 2022-0009	E-POCKET FLUID MECHANICS	WAN MAJDAH TON MAMAT ZETTY ROHAIZA BINTI MOHD SAHAK@ISHAK NAZRATULHUDA BINTI HASHIM	PSA
3	CIE-TVET 2022-0021	KAJIAN KEBERKESANAN PEMULIHAN HABA DARI PETI SEJUK BAGI KEGUNAAN PENGERINGAN PAKAIAN	SHARUL NIZAM BIN YAAKOP MUHAMAD ASRUL AFFENDI BIN MAT NOR MUHAMAD SYAMER BIN MOHD NASIR	KOLEJ KOMUNITI KOTA MARUDU KOLEJ KOMUNITI PASIR SALAK
4	CIE-TVET 2022-0025	KAJIAN PERBANDINGAN PENGAGIHAN UDARA MENGGUNAKAN FABRIC DUCT VS G.I DUCT DI KOLEJ KOMUNITI KOTA MARUDU	TS. KHAIRUL IZWAN BIN ABDUL WAHAB SHARUL NIZAM BIN YAAKOP MUHAMAD SYAMER BIN MOHD NASIR	KOLEJ KOMUNITI KOTA MARUDU
5	CIE-TVET 2022-0034	SMART WHEEL CHAIR	TS. NOORAZLAN MOHD SAMSUDDIN MUHAMMAD FAIZ ABDULLAH	PSA

JADUAL PEMBENTANGAN CiE-TVET 2022

BILIK 10

MODERATOR : AKMARYA SYUKHAIRILNISAH BINTI MOHD AKHIR

JURI 1 : DR. PARAMESWARI A/P SHUNMUGAM

JURI 2 : DR. NOORDINI BINTI ABDULLAH

PIC BILIK : AHMAD YUSRI BIN ABD NASIR

SESI II

TARIKH: 5/9/2022 (ISNIN)

MASA: 2.00 – 5.00 PETANG

NO	PAPER ID	TAJUK	NAMA PEMBENTANG	INSTITUSI
1	CIE-TVET 2022-0026	KAJIAN TINDAKAN: BENGKEL ‘SMART’ DALAM MENINGKATKAN PENGETAHUAN DAN KEMAHIRAN PENGHASILAN LAPORAN CASE STUDY	SITI JANARIAH JANTAN SITI NOOR OTHMAN NORHASLIZA ABDULLAH	POLITEKNIK SULTAN AZLAN SHAH
2	CIE-TVET 2022-0027	MEDICAL ELECTRONIC DEVICE PARAMOUNT SAFETY A HYBRID ELECTRONIC BOOK: EFFECTIVENESS FOR STUDENTS	MARIANA ROSDI KU LEE CHIN RUSNANI YAHYA	PSA
3	CIE-TVET 2022-0028	CABARAN PELAJAR DIPLOMA KEJURUTERAAN AWAM SEMESTER DUA DI POLITEKNIK SULTAN HJ AHMAD SHAH MELALUI KAEDAH PEMBELAJARAN ATAS TALIAN	LIANA ABDUL SAMAT	POLIAS
4	CIE-TVET 2022-0032	PANDEMIK COVID-19: KESAN PEMBELAJARAN ATAS TALIAN TERHADAP KEMAHIRAN PSIKOMOTOR DALAM MAKMAL KEJURUTERAAN MEKANIKAL	NOOR HAZNIDA BAKAR NURAZLINDA YAHYA@MUHAMMED	PSA
5	CIE-TVET 2022-0040	IOT-BASED FLOOD DETECTION AND EARLIER WARNING SYSTEM	PRAVIIN BASKER NUR ATHIRAH ZAKIRAH AZIZAN NUR FARWIZA ALIA IZZUDIN KANNAN RASSIAH	POLITEKNIK MELAKA

SENARAI JAWATANKUASA INDUK

Penaung

Ts. Zainab binti Ahmad

Penasihat Bersama

Dr. Zubaidah binti Aman

Dr. Ishak bin Mohamad

Dr. Hj Mohd Zahari bin Ismail

Pengerusi Bersama

Dr. Saifuddin Kumar bin Abdullah

Ts. Roseman bin Mat Jidin @ Jidin

En. Muhamad Hashim bin Ahmad

Timbalan Pengerusi

Dr Hjh Wan Rosemehah binti Wan Omar

SENARAI JAWATANKUASA PELAKSANA

Pengarah Program

Dr. Siti Khalijah Binti Jamal

Setiausaha

Nur Zahirah binti Mohd Ghazali
Noor Hasniza binti Mat Salleh

Bendahari

Dr. Noordini binti Abdullah (K)
Khasniza binti Abdul Karim
Rosamiza binti Meor Razak
Rahimawati binti Muhamad Yusoff

Floor Manager

Ts. Dr. Norani binti Abd. Karim (K)
Rabeah Adawayah Binti Hashim
Md Alimi Bin Yasinan @ Jasman
Skh Muhammad Bin Skh Abd Rahim
Mariana Binti Rosdi

Jawatankuasa Grafik dan Multimedia

Mohammad Fahmy bin Ibrahim (K)
Mohd Hanif Bin Selamat

Jawatankuasa Laman Web Program, Hebahan dan Promosi

Dr. Parameswari A/P Shunmugam (K)
Halimaton Saadiah binti Sa'don
Norhayati Binti Ahmad Alwi
Nurul Fazilah Binti Samuri
Murusinida Binti Che Mood
Zaid bin Junus
Noor Zahilah binti Rapal
Nur Shahafiza binti Din
Shazrina binti Mohamed Isa

Jawatankuasa Pendaftaran Peserta dan Dokumentasi

Dr. Norasiah binti Muhammad (K)
Norsa'aidah Binti Sa'aid
Nurul Izza Binti Redzuan
Nurus Sadiqin Binti Abdul Razak Khan
Shariza Azwin binti Yahaya
Nurfarahaizan Binti Idris

SENARAI JAWATANKUASA PELAKSANA

Jawatankuasa Reviewer

Dr. Murugadas A/L Ramdas (K)
Ainiza Binti Silim
Pushpalatha a/p Appanaidu
Rahida Binti Ramli
Nurfadillah Binti Ahmad Mahmud
Hasni Binti Hashim
Mazwina Hanim Binti Abu Bakar
Azma Husnaiza Binti Abdul Aziz
Lilis Seri Yana Binti Sirun
Norsyila Binti Rashid
Julianti Binti Samsudin
Khasniza Binti Abd Karim
Norlela Binti Zaman
Maziharita Binti Mohamood
Norfaizah Binti Abas
Shareh @ Shareaha Binti Din

Jawatankuasa Panel Penilai dan Anugerah

Dr. Aziam binti Mustafa
Suria Binti Md. Yusof
Siti Aishah Binti Ab Jalil
Nor Laila Binti Hassan
Siti Mahanum Binti Shaik Ismail
Siti Rawaidah Binti Mohd Razikin
Haryanti Binti Abdullah
Zakiah Binti Othman
Sarimah Binti Che Hassan

Jawatankuasa Teknikal Persediaan Platform dan Moderator

Ts. Ilya binti Ismail (K)
Hjh Salizahanim binti Leman
Nagaajothi a/p Adin Naraina
Siti Hasliana binti Thalji

SENARAI JAWATANKUASA PELAKSANA

Jawatankuasa Penerbitan dan Dokumentasi

Ts. Dr. Ainul Haezah binti Noruzman (K)

Yusnita binti Yusof

Dr. Siti Anizah binti Muhammed

Muhammad Afiq Faisal bin Muhammad Ilias

Mohd Firdaus bin Sedet

Jawatankuasa Buku Program

Atikah Fatma binti Md Daud (K)

Noraini binti Hj Naseran

Jawatankuasa Sijil dan Cenderahati

Fariza binti Zahari (K)

Nor Khairul Aina binti Mat Din

Nur Syafiqah Abdullah @ Winnie Itom @ Marc

Mariana binti Rosdi

Jawatankuasa Protokol dan Media

Herlina Ainizawati binti Zakaria (K)

Ts. Salhana binti Sahidin @ Salehudin

Siti Zaliha binti Omar @ Othman

Norbaiti binti Ridzuan

Jawatankuasa Teks Ucapan dan Kata Aluan

Noor Haznida binti Bakar (K)

Ts. Wan majdah binti Ton Mamat

Nurazlinda binti Yahya

Jawatankuasa Majlis Pelancaran dan Jamuan

Siti Nurul Huda binti Romli (K)

Sarizun binti Mohamad Sidek

Diana Malini binti Jarni

Rabiatul Adawiyah binti Rosli

Aliza binti Md Atan

Norasiah binti Ali

Jawatankuasa Pengacaraan Majlis

Aliza binti Abdul Razak (K)

Muhammad Safwan bin Abdullan

Siti Rawaidah binti Mohd Razikin

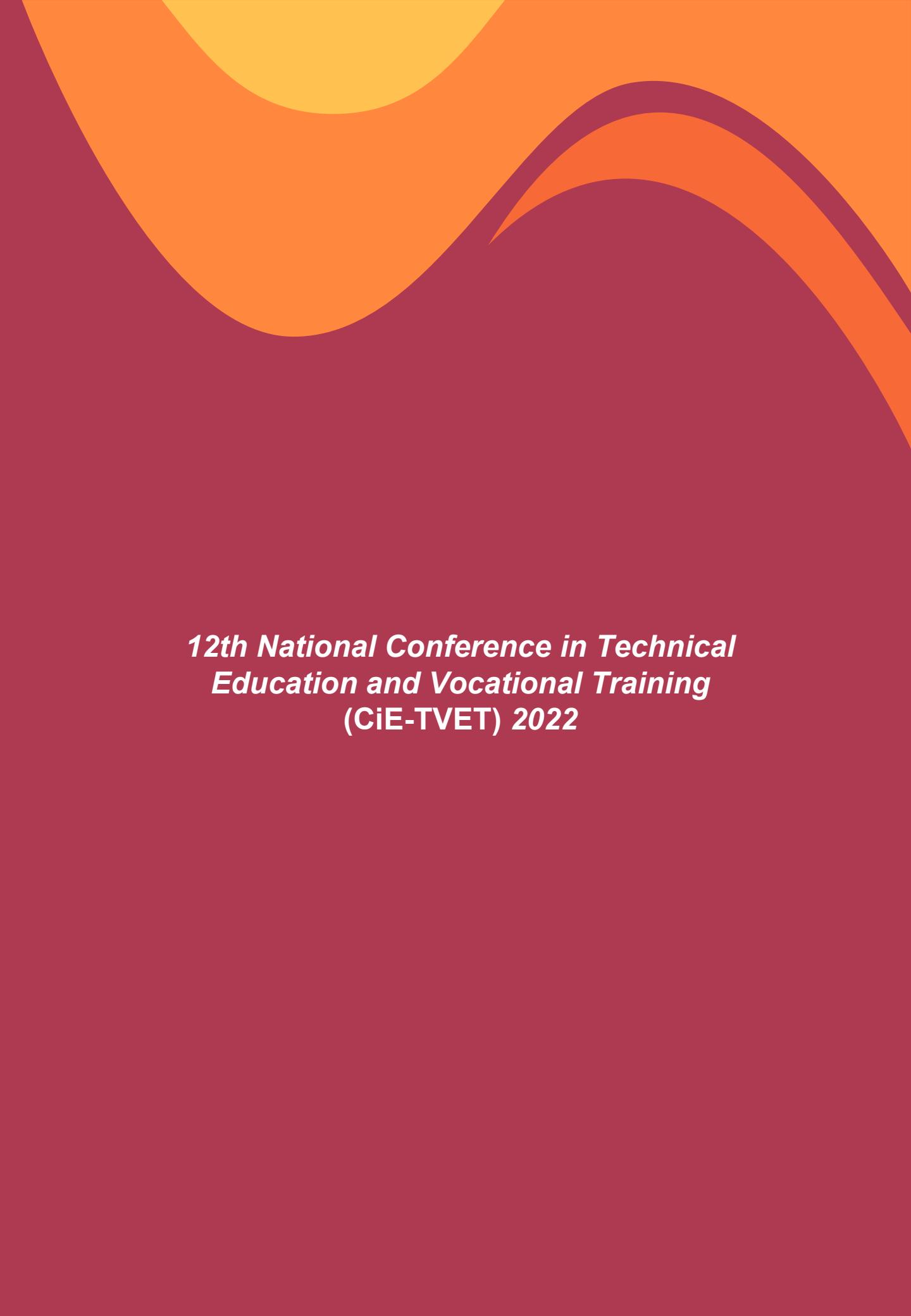
Jawatankuasa Persiapan Tempat Majlis Pelancaran

Tn. Hj. Jasni bin Mohd Noor

Mohd Hafizi bin Hashim

NOTA

NOTA



***12th National Conference in Technical
Education and Vocational Training
(CiE-TVET) 2022***