

Universiti Teknologi MARA (UiTM) Pulau Pinang (Penang) Branch, Malaysia (UiTM CPP)



UiTM CPP welcome BTU delegate from University Transformation Division (BTU)



Professor Ts Dr Nor Hayati Saad - PNC (Strategi)
Assoc Prof Dr Mohamad Faizul Yahya - Pengarah
Pn Nooraslinda Abdul Aris - Koordinator Analisis Strategik
Penbanguan & Penjanaan Pendapatan
En Mohd Sufian Ruslan - Pen Pendaftar Kanan



ACTION & MONITORING STRATEGIES TOWARDS UiTM 2025 – GLOBALLY RENOWNED UNIVERSITY

https://bit.ly/Campus_Presentation_LibatUrusBTU_2022

University Transformation Division (BTU)

13 September 2022



CAMPUS:
PULAU PINANG

CONTENT



- **ACTION & STRATEGIES TO DRIVE PI**
- **CHALLENGES IN ACHIEVING PI & REQUIRED SUPPORT**
- **INCOME GENERATION – REPORT & STRATEGIES 2022**

Note: for Pulau Pinang

Link to Folder:

https://bit.ly/IncomeGeneration_UiTM_Pulau_Pinang

Link to Financial Update:

https://bit.ly/FinancialUpdate_IncomeGeneration_UiTMPPinang



Action to Drive PI 49 : Scopus Proceedings (Wt. 4)

Current PI Achievement : 40
PI Target for 2022 : 338

11.8%

Strategy Difficulty Rate (SDR)

1 = Easy to complete / low fruit strategy
2 = Requires minimal intervention
3 = Potential system/policies/human bottlenecks
4 = Requires major system/policies/human change

Strategy Completion Rate (SCR)

1 = Completion in less than 3 months
2 = Completion within 6 months
3 = Completion within 1 year
4 = Completion more than 1 year

Provide three (3) best strategies

| No | Strategy Name & Description | Potential Strategy Output (PSO) & Monitoring Proof | Strategy Difficulty Rate (SDR) | Strategy Completion Rate (SCR) | Cost Incurred (RM) | Explain if SCR is 3 and 4 category |
|----|---|--|--------------------------------|--------------------------------|------------------------------------|--|
| 1 | Penghantaran Artikel oleh pelajar FYP dari PPKE | 17 prosiding konferensi (Senarai Nama dan Tajuk) 22 prosiding konferensi dalam proses untuk diterbitkan | 2 | 3 | RM1,000/paper = RM39,000.00 | Scopus wrongly indexed the publication year to 2021 which is supposed to be 2022. Indexed will appear in Scopus for the month September 2022. |
| 2 | Penghantaran Artikel oleh Staf dari Jabatan Sokongan (Servicing Department) kepada Konferensi anjuran dalaman UiTM | 4 prosiding konferensi (Senarai Nama dan Tajuk) | 1 | 2 | RM850/paper = RM3,400.00 | |
| 3 | Civil Undergraduates Symposium 2022 (ICEUVS 2022) (PKA:DR KUAN) | 20 peserta (9 papers/9 penulis/scopus proceeding) (Senarai Nama dan Tajuk) | 2 | 3 | RM1,000/paper = RM9,000.00 | Late Publication and Late Indexing To date 50 proceedings and 23 journals waiting for publication and indexing |

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Provide three (3) best strategies

| No | Strategy Name & Description | Potential Strategy Output (PSO) & Monitoring Proof | Strategy Difficulty Rate (SDR) | Strategy Completion Rate (SCR) | Cost Incurred (RM) | Explain if SCR is 3 and 4 category |
|----|--|---|--------------------------------|--------------------------------|------------------------------------|---|
| 4 | BENGKEL DATA ANALISIS: Adsorption Isotherm and Surface Characterisation (Dr Salina) | 7 penerbitan/ 7 penulis (Senarai Nama dan Tajuk) | 2 | 3 | RM1,000/paper = RM7,000 | Late Publication and Late Indexing To date 50 proceedings and 23 journals waiting for publication and indexing |
| 5 | Scoping for Scopus workshop | 15 peserta dengan target 11 prosiding konferensi | 3 | 3 | RM2,000/paper = RM14,000.00 | |
| | Total | 70 | 10 | 14 | RM80,400.00 | |

Conclude ;

1. Whether or not total potential strategy output (PSO) can help to achieve PI targets for the year 2022 ? **NO**
2. Whether strategy difficulty rate (SDR) vs strategy completion rate (SCR) is acceptable ? **NO**
3. Whether total cost from available resources or additional funds are required ? **YES**

Senarai Nama Penulis dan Tajuk Item No 1

| No | Tajuk Prosiding Konferensi | Authors |
|----|---|---|
| 1 | Smart Cigarettes Smoke Detection System and Alert via IoT Cloud | Zainal Hisham Che Soh; Mohammad Afwan Bin Mohd Daud; Mohd Hanapiah bin Abdullah; Muhamad Syazwan Mohamad Sarudin; Rosheila Binti Darus; Kamarulazhar Daud |
| 2 | Systematic Literature Review: Human Gait Cycle Model Using Image-Temporal Feature | I. H Jamal; Che Ani Adi Izhar; A.S. Fauzilan; M.I.F Maruzuki; Z. Hussain; M.F.A. Rahman |
| 3 | Systematic Literature Review: Recognition of Human Gait Cycle Using Machine Learning Approach | F.F.A Kamaruzaman; Che Ani Adi Izhar; A.S. Fauzilan; Samsul Setumin; Z. Hussain; M.F. Abdullah |
| 4 | Verilog HDL Implementation of Single Phase Inverter for Uninterruptible Power Supply (UPS) | Haikal Afifi Ahmad Shaberi; Ahmad Asri Abd Samat; Abdullah Nasif Afifi Bin Abdullah; Saodah Omar; Abdul Malek Saidina Omar; Intan Rahayu Ibrahim |
| 5 | Design an Optimal PI Controller Using Artificial Bee Colony Algorithm for Buck Converter | Aimi Idzwan Tajudin; Mohammad Amirul Adika; Ahmad Asri Abd Samat; Saiful Firdaus Abd Shukor; Kamarulazhar Daud |
| 6 | Feed Forward Neural Network Approach for Voltage Transients Identification and Classification | Mohamad Shah Sabri; Kamarulazhar Daud; Wan Salha Saidon; Nurul Huda Ishak; Ahmad Asri Abd Samat; Siti Salwa Mat Isa |
| 7 | Multilayer Perceptron Neural Network Approach for Voltage Sags Detection and Classification | Anthony Roston Anak Tarip; Kamarulazhar Daud; Ahmad Puad Ismail; Aimi Idzwan Tajudin; Saodah Omar; Mohd Najib Mohd Hussain |
| 8 | Streetlight System Information Modelling and Management for Energy Reduction | Siti Nur Afifa Hamidi; Abdul Malek Saidina Omar; Mohamad Adha Mohamad Idin; Ahmad Asri Abd Samat; Siti Solehah Md Ramli; Muhammad Khusairi Osman |
| 9 | Self Tuning of PI Controller for Speed Control of DC Motor by Using Fuzzy Logic Controller | Muhammad Naquiddin Mansor; Ahmad Asri Abd Samat; Aimi Idzwan Tajudin; N. A. Salim; Kamarulazhar Daud; Saiful Firdaus Abd Shukor |
| 10 | Development of Apps Software for Designing High Voltage AC Substation Grounding System with Different Shapes of Grid with or without Rods | Siti Solehah Md Ramli; Nur Diana Shahira Rosli; Nurul Huda Ishak; Nur Fadhilah Jamaludin; Abdul Malek Saidina Omar; Nur Darina Ahmad |
| 11 | Modified Hybrid Optimization of Selective Harmonic Elimination Technique for 5-Level H-Bridge Inverter Paper | Intan Rahayu Ibrahim; Mohd Najib Mohd Hussain; Ahmad Asri Abd Samat; Emelia Noorsal; Ahmad Maliki Omar |
| 12 | Cold Chain Management System via Low Power Wide Area Network and IoT | Zainal Hisham Che Soh; Liyana Balqis Mohd Zamri; Siti Noraini Sulaiman; Syahrul Afzal CheAbdullah; Saiful Zaimy Yahaya; Mohammad Nizam Ibrahim |
| 13 | Analysing the Impact of Distribution Generation for Distribution System | Saodah Omar; Ahmad Asri Abd Samat; Kamarul Azhar Daud; Muhammad Hafizal Naim Abd Razak |
| 14 | Characterizing Global Hand-Crafted Feature Descriptors for Sketch-Based Image Retrie | Mohd Hussaini Abbas; Adi Izhar Che Ani; Ahmad Asri Abd Samat; Muhamad Amirul Hazim; Mohamed Mydin M. Abdul Kader; Samsul Setumin; Mohd Hamidi |
| 15 | A Study on Voltage Stability Improvement using STATCOM and UPFC | Ann Marie Ining; Nor Adni Mat Leh; Shabinar Abdul Hamid; Zuraida Muhammad |

Senarai Nama Penulis dan Tajuk Item No 1

| No | Tajuk Prosiding Konferensi | Authors |
|----|--|---|
| 16 | Comparative Study on Different Color Spaces for Segmentation of Acute Leukemia using Automatic Otsu Clustering | Siti Marissa Mohd Zairy; Nurul Hazwani Abd Halim; Mohd Suhaimi Sulaiman; Zuraidi Saad |
| 17 | Quarantine Perimeter Breach Monitoring System on Smartphone for COVID-19 Self Quarantine Patient | Zainal Hisham Che Soh; Muhammad Haziq Mohd Zin; Syahrul Afzal Che Abdullah; Mohd Affandi Shafie |

Senarai Nama Penulis dan Tajuk Item No 2

1st International Conference on Biodiversity and Sustainable Development 2021

| No | Tajuk Prosiding Konferensi | Authors |
|----|--|---|
| 1 | Floor plants' leaf shape and <i>Phyllagathis rotundifolia</i> 's soil organic matter in Kuala Keniam Trail, Pahang National Park | M Mokhtar, N H Abd Rahman, N A Abd Razak, M Omar, M S Abdul Rahman and W Z Wan Kamaruddin |
| 2 | Microwave heating control system using genetic algorithm-based PID controller | E Apriaskar, D Prastiyanto, M A Malik, A E Ramadhan, R Destanto, H Abdullah@Idris and M K Osman |
| 3 | Study on Ammonia and Colour Removal from Leachate via Aerated Electrocoagulation (Ferum and Aluminium Electrode) | N K Anuar, N S M Zin, L W Zailani, S N A Salleh and N A Akbar |
| 4 | The impact of UiTM Cawangan Pulau Pinang Permatang Pauh campus on urban development in Central Seberang Perai District | N A Othman, N A Bakhari, A Mahmood, E S Mokhtar and N A Mohd Zaki |

Senarai Nama Penulis dan Tajuk Item No 3

| No | Tajuk Prosiding Konferensi | Authors |
|----|--|--|
| 1 | Practical Design Of Stone Column In Predicting Settlement Performance | Ng, K.S., Chew, Y.M., |
| 2 | Sustainable Construction And Its Challenges | Ainun Musir, A., Mohd Nasir, S.R., Hassan, S.H., Abdul Rahim, N.F.A., Harun, N.F.A., |
| 3 | 3d Finite Element Simulation Of Reinforced Concrete Column Strengthened By Partially Confined Carbon Fibre Reinforced Polymer Under Concentric Loading | Zakwan, F.A.A., Ismail, R., Ahmad, H., Rashid, R.S.M., |
| 4 | Comparative Flexural Performance Of Steel Fibre Reinforced Self-compacting Concrete (SCFRC) Ribbed Slab With Different Fibre Provision Area | Ahmad, H., Hashim, M.H.M., Zakwan, F.A.A., Ismail, R., |
| 5 | Axial Behaviour Of Strengthened Circular Hollow Reinforced Concrete Column With CFRP Partial Confinement | Ismail, R., Rashid, R.S.M., Zakwan, F.A.A., Ahmad, H., Hejazi, F., |
| 6 | 3d Finite Element Simulation Of Reinforced Concrete Column Strengthened By Partially Confined Carbon Fibre Reinforced Polymer Under Concentric Loading | Zakwan, F.A.A., Ismail, R., Ahmad, H., Rashid, R.S.M |
| 7 | Axial Behaviour Of Strengthened Circular Hollow Reinforced Concrete Column With CFRP Partial Confinement | Ismail, R., Rashid, R.S.M., Zakwan, F.A.A., Ahmad, H., Hejazi, F., |
| 8 | Comparative Flexural Performance Of Steel Fibre Reinforced Self-compacting Concrete (SCFRC) Ribbed Slab With Different Fibre Provision Area | Ahmad, H., Hashim, M.H.M., Bakar, A.A., Zakwan, F.A.A., Ismail, R., |
| 9 | Study On Ammonia And Colour Removal From Leachate Via Aerated Electrocoagulation (Ferum And Aluminium Electrode) | Anuar, N.K., Zin, N.S.M., Zailani, L.W., Salleh, S.N.A., Akbar, N.A., |

Senarai Nama Penulis dan Tajuk Item No 4

| No | Tajuk Prosiding Konferensi | Authors | Conference |
|----|--|--------------------------------|--|
| 1 | The Removal Of Dye From Synthetic Wastewater Using Hybrid Modified Sugarcane Bagasse-banana Stem | Amalina Amirah Binti Abu Bakar | IOP Conference Series: Earth and Environmental Science. (Awaiting Publication) |
| 2 | Terephthalic Acid (TPA) Recovery From Plastic Bottle Of Polyethylene Terephthalate (PET) Through Hydrolysis Treatment | Salina Alias | IOP Conference Series: Earth and Environmental Science. (Awaiting Publication) |
| 3 | Surface Characterization Of Encapsulated Microalgae For Wastewater Treatment | Zuraisah Dollah | ICONGEET2022 (IOP Conference Series: Earth and Environmental Sciences) |
| 4 | Exploring Composite Adsorbent From Banana Peel And Tea Waste As Lowcost Adsorbent For Removal Of Cu(ii) And Zn(ii) In Synthetic Wastewater | Sabariah Binti Badrealam | ICONGEET2022 (IOP Conference Series: Earth and Environmental Sciences) |
| 5 | Effect Of Lead On Compressibility For Spiked Contaminated Soil | Muhammad Hafeez Bin Osman | Conference 2023 |
| 6 | Ammonia Removal Using Oil Palm Empty Fruit Bunch (OPEFB) As An Adsorbent | Nor Azliza Akbar | Conference 2023 |
| 7 | Utilization Of Cockle Shell-coconut Coir As An Adsorbent Of Heavy Metal In Wastewater | Amalina Amirah Binti Abu Bakar | Conference 2023 |

Action to Drive PI 50 : Scopus Publication (Wt. 4)

Current PI Achievement : 91
PI Target for 2022 : 170

53.53%

Strategy Difficulty Rate (SDR)

1 = Easy to complete / low fruit strategy
2 = Requires minimal intervention
3 = Potential system/policies/human bottlenecks
4 = Requires major system/policies/human change

Strategy Completion Rate (SCR)

1 = Completion in less than 3 months
2 = Completion within 6 months
3 = Completion within 1 year
4 = Completion more than 1 year

Provide three (3) best strategies

| No | Strategy Name & Description | Potential Strategy Output (PSO) & Monitoring Proof | Strategy Difficulty Rate (SDR) | Strategy Completion Rate (SCR) | Cost Incurred (RM) | Explain if SCR is 3 and 4 category |
|----|---|---|--------------------------------|--------------------------------|--|---|
| 1 | Virtual hands-on Training on Structural and Microstructural Analysis for Beginner (PKK: DR VICI) | 22 peserta : 14 jurnal diterbitkan/SCOPUS (Senarai Nama, Tajuk dan Jurnal) | 2 | 3 | RM2,000/paper = RM28,000.00 | Late Publication and Late Indexing To date 50 proceedings and 23 journals waiting for publication and indexing |
| 2 | Scoping for Scopus workshop (FSK : Dr Rusnani) | 15 peserta : 13 jurnal diterbitkan/SCOPUS (Senarai Nama, Tajuk dan Jurnal) | 2 | 3 | RM2,000/paper = RM26,000.00 | |
| | Total | 27 | 4 | 6 | RM54,000.00 | |

Conclude ;

1. Whether or not total potential strategy output (PSO) can help to achieve PI targets for year 2022 ? **NO**
2. Whether Strategy difficulty rate (SDR) vs strategy completion rate (SCR) is acceptable ? **NO**
3. Whether total cost from available resources or additional funds are required ? **YES**

Senarai Nama Penulis dan Tajuk Item No 1

| No | Tajuk Jurnal | Authors | Journals |
|----|---|--|---|
| 1 | Highly Production Of Dihydroxystearic Acid From Catalytic Epoxidation Process By In Situ Peracid Mechanism | Jalil, M.J.; | Environmental Progress and Sustainable Energy |
| 2 | Anodized Tio2 Nanotubes Using Ti Wire In Fluorinated Ethylene Glycol With Air Bubbles For Removal Of Methylene Blue Dye | Isa, N.; | Journal of Applied Electrochemistry |
| 3 | Influence Of Surface Characteristics Of Palm Shell Activated Carbon Modified With Nanostructured Nickel For Reactive Adsorption Of Hydrogen Sulfide | Nor, N.M.; | Journal of Applied Science and Engineering (Taiwan) |
| 4 | In Situ Hydrolysis Of Epoxidized Oleic Acid By Catalytic Epoxidation-peracids Mechanism | Jalil, M.J.; | Journal of Polymer Research |
| 5 | Palm Kernel Fatty Acid Distillate-based Bulk Liquid Membrane For Cu(ii) Separation: Design And Its Operating Parameters | Chang, S.H.; | Journal of Water Process Engineering |
| 6 | Techno-economic Analysis Of Integrating Liquid Membrane With Electrowinning For Copper Recovery From Electroplating Wastewater | Foo, D.C.Y.; | Clean Technologies and Environmental Policy |
| 7 | Optimization Of Epoxidation Palm-based Oleic Acid To Produce Polyols | Jalil, M.J.; | Chemistry and Chemical Technology |
| 8 | Synthesis Of Catechol-amine Coating Solution For Membrane Surface Modification | Senusi, F., Nasuha, N., Ismail, S., | Environmental Science and Pollution Research |
| 9 | Co-pyrolysis Of Polyolefin Mixtures And Oil Palm Fibre For The Production Of Liquid Fuel: Kinetics And Thermodynamic Study | Gin, A.W., Hassan, H., Ahmad, M.A., Hameed, B.H., Din, A.T.M., | Biomass Conversion and Biorefinery |
| 10 | Development Of Microwave-assisted Nitrogen-modified Activated Carbon For Efficient Biogas Desulfurization: A Practical Approach | Nor, N.M., Chung, L.L., Mohamed, A.R., | Environmental Science and Pollution Research |
| 11 | Application Of Epoxy Resin For Improvement Of The Banana Stem-acoustic Panel | Riduan, M.A., Jalil, M.J., Azmi, I.S., Habulat, A., Raofuddin, D.N.A., Azmi, M.H.M., | Recent Innovations in Chemical Engineering |
| 12 | Degradation Of Oxirane Ring For Epoxidation Of Palm Oleic Acid Via In Situ Performic Acid | Azmi, I.S., Wahi, N.F., Jalil, M.J., | Recent Innovations in Chemical Engineering |
| 13 | Studies Of Surface Plasmon Resonance Of Silver Nanoparticles Reduced By Aqueous Extract Of Shortleaf Spikesedge And Their Catalytic Activity | Isa, N., Osman, M.S., Abdul Hamid, H., Inderan, V., Lockman, Z., | International Journal of Phytoremediation |
| 14 | Micro/Nanomotors For Metal Ion Detection And Removal From Water: A Review | Chang, S.H., | Materials Today Sustainability |

Senarai Nama Penulis dan Tajuk Item No 2

| No | Tajuk Jurnal | Authors | Journals |
|----|--|---|---|
| 1 | Investigation of antiproliferative mechanisms of Alstonia angustiloba-silver nanoparticles in skin squamous cell carcinoma (A431 cell line) | Rahim, N.A.; | Journal of Molecular Structure |
| 2 | Development and Validation of Knowledge, Attitude, and Practice Towards Antibiotics Questionnaire (KAPAQ) for General Community | Karuniawati, H.; | Research Journal of Pharmacy and Technology |
| 3 | Recent trends in next generation immunoinformatics harnessed for universal coronavirus vaccine design | Lim, C.P., Kok, B.H., Lim, H.T., Chuah, C., Abdul Rahman, B., Wykes, M., Leow, C.H., Leow, C.Y., | Pathogens and Global Health |
| 4 | Shigella iron-binding proteins: An insight into molecular physiology, pathogenesis, and potential target vaccine development | Nor Raihan binti Mohammad Shabani | Vaccine |
| 5 | Developing of a Preliminary Framework for Faculty Development Programs for Malaysian Medical Lecturers | Mat Nor, M.Z., Ab Latif, R., Dahlan, A., | Malaysian Journal of Medicine and Health Sciences |
| 6 | Identification of MHC Class II Immunopeptidomes from Shigella flexneri 2a-infected Macrophages as Potential Vaccine Candidates | Shabani, N.R.M., Ismail, C.M.K.H., Leow, C.H., Mokhtar, M., Singh, K.K.B., Leow, C.Y., | Indonesian Biomedical Journal |
| 7 | Isolated Diastolic Hypertension and Risk of Cardiovascular Disease: Controversies in Hypertension - Pro Side of the Argument | Yano, Y., Kim, H.C., Lee, H., Ahmed, S., Kitaoka, K., Kaneko, H., | Hypertension |
| 8 | Mass spectrometry-based immunopeptidomics and computational vaccinology strategies for the identification of universal Shigella immunogenic candidates | Mohammad Shabani, N.R., Khairul Hisyam Ismail, C.M., Leow, C.H., Chuah, C., Abdul Majeed, A.B., He, Y., Ann Arbor, Banga Singh, K.K., Leow, C.Y., | Computers in Biology and Medicine |
| 9 | Molecular docking and molecular dynamic simulations of apoptosis proteins with potential anticancer compounds present in Clinacanthus nutans extract using gas chromatography–mass spectrometry | Ismail, N.Z., Mohamed, W.A.S., Ab. Rahim, N., Hashim, N.M., Adebayo, I.A., Mohamad Zain, N.N., Arsad, H., | Journal of Biomolecular Structure and Dynamics |
| 10 | Quality of Life and its Association with Depression, Anxiety and Stress among Environmental Health Officer (EHO) and Assistant Environmental Health Officer (AEHO) in Selangor during 2019 Coronavirus Pandemic (COVID-19) | Ishak, A.R., Nazli, S.N.B.; Aziz, M.Y., Shahid, N.S.M., Wan Shafai, W.N.L.S., | Malaysian Journal of Medicine and Health Sciences |
| 11 | The Effectiveness of a Concept Mapping Care Plan in Evaluating Nursing Students' Achievement in Clinical Practice | Latif, R.A., Dahlan, A., Nor, M.Z.M., | Malaysian Journal of Medicine and Health Sciences |
| 12 | Exploring the Domains of Faculty Development Programmes for Malaysian Medical School Lecturers: A Qualitative Study | Rusnani binti Ab.Latif | Education in Medicine Journal |
| 13 | Predictors of Cardiovascular Disease Using Framingham Risk Score in a Rural Population | Nazar Mohd Zabadi Bin Mohd Azahar | Malaysian Journal of Medicine and Health Sciences |

Action to Drive PI 51 : Number of High Impact Publications (Wt. 4)

Current PI Achievement : 24
PI Target for 2022 : 15

100%

Strategy Difficulty Rate (SDR)

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Strategy Completion Rate (SCR)

1 = Completion in less than 3 months
2 = Completion within 6 months
3 = Completion within 1 year
4 = Completion more than 1 year

| Provide three (3) best strategies | | | | | | |
|-----------------------------------|--|--|--------------------------------|--------------------------------|--|---|
| No | Strategy Name & Description | Potential Strategy Output (PSO) & Monitoring Proof | Strategy Difficulty Rate (SDR) | Strategy Completion Rate (SCR) | Cost Incurred (RM) | Explain if SCR is 3 and 4 category |
| 1 | Mentor-Mentee Program in Faculties for Kenaikan Pangkat | 24 (Senarai Nama, Tajuk dan Jurnal) | 2 | 3 | RM10,000/paper = RM240,000.00 | Long Review Process and Late Publication To date 50 proceedings and 23 journals waiting for publication and indexing |
| 2 | Collaboration between IPTAs/IPTS | | | | | |
| | Total | 24 | 2 | 3 | RM240,00 | |

Conclude ;

1. Whether or not total potential strategy output (PSO) can help to achieve PI targets for year 2022 ? **YES**
2. Whether Strategy difficulty rate (SDR) vs strategy completion rate (SCR) is acceptable ? **YES**
3. Whether total cost from available resources or additional funds are required ? **NO**

Senarai Nama Penulis, Tajuk dan Jurnal

| No | Tajuk Jurnal | Authors |
|----|--|--|
| 1 | Methods for improving the in-cylinder airflow characteristics for sustainable transportation using fuels with higher viscosity: A review | Sharzali bin Che Mat |
| 2 | Protocol conception for safe selection of mechanical ventilation settings for respiratory failure Patients | Nor Salwa binti Damanhuri |
| 3 | Coactive impact of a novel multifunctional alum co-adsorbent for dye-sensitized solar cells DSSC | Abdullah, M.H. |
| 4 | Synergistic role of aluminium sulphate flocculation agent as bi-functional dye additive for Dye-Sensitized Solar Cell (DSSC) | Abdullah, M.H. |
| 5 | Magnesium sulfate as a potential dye additive for chlorophyll-based organic sensitiser of the dye-sensitised solar cell (DSSC) | Abdullah, M.H. |
| 6 | Design of FPGA-Based SHE and SPWM Digital Switching Controllers for 21-Level Cascaded H-Bridge Multilevel Inverter Model | Emilia binti Noorsal |
| 7 | In situ hydrolysis of epoxidized oleic acid by catalytic epoxidation-peracids mechanism | Mohd Jumain bin Jalil |
| 8 | Palm kernel fatty acid distillate-based bulk liquid membrane for Cu(II) separation: Design and its operating parameters | Chang Siu Hua |
| 9 | Estimating the incidence of spontaneous breathing effort of mechanically ventilated patients using a non-linear auto regressive (NARX) model | Damanhuri, N.S. |
| 10 | Techno-economic analysis of integrating liquid membrane with electrowinning for copper recovery from electroplating wastewater | Foo, D.C.Y. |
| 11 | The Strength and Thermal Properties of Concrete containing Water Absorptive Aggregate from Well-Graded Bottom Ash (BA) as Partial Sand Replacement | Abdullah, M.J., Beddu, S., Manan, T.S.B.A., Syamsir, A., Naganathan, S., Mohd Kamal, N.L., Mohamad, D., Itam, Z., Yee, H.M., Mohd Yapandi, M.F.K., Mohamed Nazri, F., Shafiq, N., Isa, M.H., Ahmad, A., Wan Rasdi, N., |
| 12 | Optimizing the Hyperparameter Tuning of YOLOv5 for Underwater Detection | Isa, I.S., Rosli, M.S.A., Yusof, U.K., Maruzuki, M.I.F., Sulaiman, S.N., |
| 13 | Synthesis of catechol-amine coating solution for membrane surface modification | Senusi, F., Nasuha, N., Husain, A., |
| 14 | Development of microwave-assisted nitrogen-modified activated carbon for efficient biogas desulfurization: a practical approach | Nor, N.M., Chung, L.L., Mohamed, A.R., |
| 15 | Recent trends in next generation immunoinformatics harnessed for universal coronavirus vaccine design | Lim, C.P., Kok, B.H., Lim, H.T., Chuah, C., Abdul Majeed, A.B., Wykes, M., Leow, C.H., Leow, C.Y., |

Senarai Nama Penulis, Tajuk dan Jurnal

| No | Tajuk Jurnal | Authors |
|----|---|---|
| 16 | Counterfeit fifty Ringgit Malaysian banknotes authentication using novel graph-based chemometrics method | Nurfarhana binti Hassan |
| 17 | Evaluating Different TiO ₂ Nanoflower-Based Composites for Humidity Detection | Mohamed Zahidi, M., Mamat, M.H., Malek, M.F., Yaakob, M.K., Ahmad, M.K., Abu Bakar, S., Mohamed, A., A Subki, A.S.R., Mahmood, M.R., |
| 18 | Finite Element Study: Rocking Wall-Floor Connection of Precast Concrete Load-Bearing Structures Subjected to Quasi-Static Lateral Loading | Masrom, M.A., Abdul Hamid, N.H., |
| 19 | Isolated Diastolic Hypertension and Risk of Cardiovascular Disease: Controversies in Hypertension - Pro Side of the Argument | Yano, Y., Kim, H.C., Azahar, N., Ahmed, S., Kitaoka, K., Kaneko, H., Kawai, F., Mizuno, A., Viera, A.J., |
| 20 | Mass spectrometry-based immunopeptidomics and computational vaccinology strategies for the identification of universal Shigella immunogenic candidates | Mohammad Shabani, N.R., Khairul Hisyam Ismail, C.M., Leow, C.H., Chuah, C., Abdul Majeed, A.B., Nor, N.M., He, Y., Banga Singh, K.K., Leow, C.Y., |
| 21 | Molecular docking and molecular dynamic simulations of apoptosis proteins with potential anticancer compounds present in Clinacanthus nutans extract using gas chromatography–mass spectrometry | Ismail, N.Z., Mohamed, W.A.S., Ab. Rahim, N., Hashim, N.M., Adebayo, I.A., Mohamad Zain, N.N., Arsad, H., |
| 22 | Optimization of ternary blends among refined palm oil-hexanol-melaleuca cajuputi oil and engine emissions analysis of the blends | Che Mat, S., Idroas, M.Y., Teoh, Y.H., Hamid, M.F., Sharudin, H., Pahmi, M.A.A.H., |
| 23 | Studies of surface plasmon resonance of silver nanoparticles reduced by aqueous extract of shortleaf spikesedge and their catalytic activity | Isa, N., Osman, M.S., Abdul Hamid, H., Inderan, V., Lockman, Z., |
| 24 | Micro/nanomotors for metal ion detection and removal from water: A review | Chang, S.H., |

Action to Drive PI 53 : Joint Publication with National Collaborators (Wt. 4)

Current PI Achievement : 54
PI Target for 2022 : 27

100%

Strategy Difficulty Rate (SDR)

1 = Easy to complete / low fruit strategy
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Strategy Completion Rate (SCR)

1 = Completion in less than 3 months
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4 = Completion more than 1 year

| Provide three (3) best strategies | | | | | | |
|--|---|--|--------------------------------|--------------------------------|---|---|
| No | Strategy Name & Description | Potential Strategy Output (PSO) & Monitoring Proof | Strategy Difficulty Rate (SDR) | Strategy Completion Rate (SCR) | Cost Incurred (RM) | Explain if SCR is 3 and 4 category |
| 1 | Collaboration between IPTAs/IPTS | 54 (Senarai Nama, Tajuk dan Jurnal/Prosiding) | 2 | 3 | RM2,000/paper = RM108,000.00 | Late Publication and Late Indexing To date 50 proceedings and 23 journals waiting for publication and indexing |
| 2 | Staff doing post doctorate in local universities | | | | | |
| 3 | Staff doing internship | | | | | |
| | Total | 54 | 2 | 3 | RM108,000.00 | |

Conclude ;

1. Whether or not total potential strategy output (PSO) can help to achieve PI targets for year 2022 ? **YES**
2. Whether Strategy difficulty rate (SDR) vs strategy completion rate (SCR) is acceptable ? **YES**
3. Whether total cost from available resources or additional funds are required ? **NO**

Senarai Nama Penulis, Tajuk dan Jurnal/Prosiding (klik utk terperinci)

| NO | TITLE | PUBLISHER | AUTHORS & AFFILIATION |
|----|--|---|--|
| 1 | Modeling and optimization of properties for unproces | Cleaner Engineering and Technology | Fauzi, M.A., School of Civil Engineering, College of Engineering, Universiti Teknologi MARA, Shah Alam, Selangor |
| 2 | Protocol conception for safe selection of mechanical v | Computer Methods and Programs in Biomedicine | Lee, J.W.W., School of Engineering, Monash University MalaysiaSelangor, Malaysia; Chiew, Y.S., School of Engine |
| 3 | Removal of Mn and Cu Ions in Synthetic Wastewater U | Environment and Ecology Research | Ridzwan, N.F.A.A., School of Civil Engineering, College of Engineering, Universiti Teknologi MARA, Cawangan Pula |
| 4 | Anodized TiO ₂ nanotubes using Ti wire in fluorinated | Journal of Applied Electrochemistry | Isa, N., School of Chemical Engineering, College of Engineering, Universiti Teknologi MARA, Cawangan Pulau Pinan |
| 5 | Influence of Surface Characteristics of Palm Shell Activ | Journal of Applied Science and Engineering (Taiwan) | Abdullah, N., Faculty of Chemical Engineering, Universiti Teknologi MARA, Cawangan Pulau Pinang, Pulau Pinang, |
| 6 | Investigation of antiproliferative mechanisms of Alsto | Journal of Molecular Structure | Rahim, N.A., Integrative Medicine Cluster, Advanced Medical and Dental Institute, Universiti Sains Malaysia, Berta |
| 7 | Palm kernel fatty acid distillate-based bulk liquid men | Journal of Water Process Engineering | Halim, S.F.A., Waste Management and Resource Recovery (WeResCue) Group, School of Chemical Engineering, Co |
| 8 | Design of FPGA-Based SHE and SPWM Digital Switchin | Micromachines | Noorsal, E., School of Electrical Engineering, College of Engineering, Universiti Teknologi MARA, Cawangan Pulau P |
| 9 | Characterization of Polyvinylidene Difluoride-based E | Pertanika Journal of Science and Technology | Ahmad, K.A., School of Electrical Engineering, College of Engineering, Universiti Teknologi MARA, Cawangan Pulau |
| 10 | Development and Validation of Knowledge, Attitude, | Research Journal of Pharmacy and Technology | Karuniawati, H., Department of Pharmacology and Clinical Pharmacy, Faculty of Pharmacy, Universitas Muhammada |
| 11 | Counterfeit fifty Ringgit Malaysian banknotes authent | Scientific Reports | Hassan, N., Department of Computer and Mathematical Sciences, Universiti Teknologi MARA Cawangan Pulau Pina |
| 12 | 2D Physical Modelling of Double δ -Doped pHEMT with | Lecture Notes in Electrical Engineering | Ikhwan, N.I.M., School of Electrical and Electronic Engineering, Universiti Sains Malaysia, Pulau Pinang, Nibong Tek |
| 13 | Investigation on Face Alignment Factor for Generating | Lecture Notes in Electrical Engineering | Che Aminudin, M.F., Intelligent Biometric Group, School of Electrical and Electronic Engineering, Universiti Sains N |
| 14 | Demographic Changes by the Vickers Microhardness S | Lecture Notes in Mechanical Engineering | Idriss, A.N.M., Department of Manufacturing and Material Engineering, International Islamic University Malaysia, P |
| 15 | Literature Survey on Manufacturing Alumina/Aluminu | Lecture Notes in Mechanical Engineering | Md Idriss, A.N., Department of Manufacturing and Material Engineering, International Islamic University, Malaysia |

Senarai Nama Penulis, Tajuk dan Jurnal/Prosiding (klik untuk terperinci)

| | | | |
|----|---|--|---|
| 16 | Halal Malaysia brand equity mishap: False recognition | Journal of Islamic Marketing | WAN RUSNI BINTI WAN ISMAIL |
| 17 | Methods for improving the in-cylinder airflow characteristics | Renewable and Sustainable Energy Reviews | SHARZALI BIN CHE MAT |
| 18 | Estimating the incidence of spontaneous breathing effort | Computer Methods and Programs in Biomedicine | Zainol, N.M., Centre for Electrical Engineering Studies, Universiti Teknologi MARA, Cawangan Pulau Pinang, Permatang |
| 19 | Techno-economic analysis of integrating liquid membrane | Clean Technologies and Environmental Policy | Lai, J.Y., Centre for Green Technologies, Department of Chemical and Environmental Engineering, University of Nottingham |
| 20 | OPTIMIZATION OF EPOXIDATION PALM-BASED OLEIC ACID | Chemistry and Chemical Technology | Jalil, M.J., School of Chemical Engineering, Universiti Teknologi MARA Cawangan Pulau Pinang, Pulau Pinang, Permatang |
| 21 | Natural environment aging of virgin and recycled polypropylene | Iranian Polymer Journal (English Edition) | Budin, S., School of Mechanical Engineering, College of Engineering, Universiti Teknologi MARA, Cawangan Pulau Pinang |
| 22 | 3D FINITE ELEMENT SIMULATION OF REINFORCED CONCRETE | Acta Polytechnica CTU Proceedings | Zakwan, F.A.A., School of Civil Engineering, College of Engineering, Universiti Teknologi MARA, Cawangan Pulau Pinang |
| 23 | AXIAL BEHAVIOUR OF STRENGTHENED CIRCULAR HOLLOW | Acta Polytechnica CTU Proceedings | Ismail, R., School of Civil Engineering, College of Engineering, Universiti Teknologi MARA, Cawangan Pulau Pinang |
| 24 | The Strength and Thermal Properties of Concrete containing | Construction and Building Materials | |
| 25 | Comparative study on mechanical properties of virgin and recycled | Polymer Bulletin | Budin, S., Universiti Teknologi MARA, Cawangan Pulau Pinang, Pulau Pinang, Bukit Mertajam, 13500, Malaysia; Jaafar |
| 26 | Optimizing the Hyperparameter Tuning of YOLOv5 for | IEEE Access | Isa, I.S., Universiti Teknologi MARA, Cawangan Pulau Pinang, Center of Electrical Engineering, College of Engineering |
| 27 | Synthesis of catechol-amine coating solution for membrane | Environmental Science and Pollution Research | Senusi, F., Centre for Chemical Engineering Studies, Universiti Teknologi MARA, Cawangan Pulau Pinang, Pulau Pinang |
| 28 | Co-pyrolysis of polyolefin mixtures and oil palm fibre | Biomass Conversion and Biorefinery | Gin, A.W., School of Chemical Engineering, Universiti Sains Malaysia, Engineering Campus, Penang, Nibong Tebal, 14300, Malaysia |
| 29 | Development of microwave-assisted nitrogen-modified | Environmental Science and Pollution Research | Nor, N.M., School of Chemical Engineering, Universiti Sains Malaysia, Pulau Pinang, Nibong Tebal, 14300, Malaysia |
| 30 | Recent trends in next generation immunoinformatics | Pathogens and Global Health | Lim, C.P., School of Pharmaceutical Sciences, Universiti Sains Malaysia, Gelugor, Malaysia, Institute for Research in |

Senarai Nama Penulis, Tajuk dan Jurnal/Prosiding (klik untuk terperinci)

| | | | |
|----|--|--|---|
| 31 | Properties of kenaf/textile waste fibre hybridisation in a | Materialwissenschaft und Werkstofftechnik | NOR SHAMIMI BINTI SHAARI @ MD NOH |
| 32 | Shigella iron-binding proteins: An insight into molecular | Vaccine | NOR RAIHAN BINTI MOHAMMAD SHABANI |
| 33 | An Experimental Study of Indoor Air Pollution in New | Journal of Advanced Research in Fluid Mechanics and Thermal Sciences | |
| 34 | Anodic film on Ti: Nanotubes formation and applicatio | Materials Today: Proceedings | Alias, N., School of Materials and Mineral Resources Engineering, Engineering Campus, Universiti Sains Malaysia, P |
| 35 | Degradation of Oxirane Ring for Epoxidation of Palm O | Recent Innovations in Chemical Engineering | Azmi, I.S., School of Chemical Engineering, College of Engineering, Universiti Teknologi MARA, Cawangan Johor, K |
| 36 | Designing Interactive Academia-Industry Framework i | Asian Journal of University Education | Firdaus, S.M., Department of Mechanical and Manufacturing Engineering, Faculty of Engineering and Built Environ |
| 37 | Developing of a Preliminary Framework for Faculty De | Malaysian Journal of Medicine and Health Sciences | Mat Nor, M.Z., Department of Medical Education, Universiti Sains Malaysia, Kubang Kerian, Kelantan16150, Malays |
| 38 | Evaluating Different TiO ₂ Nanoflower-Based Composi | Sensors (Basel, Switzerland) | Mohamed Zahidi, M., NANO-ElecTronic Centre (NET), School of Electrical Engineering, College of Engineering, Uni |
| 39 | Human Comfort Assessment of Vibration Behaviour of | International Journal of Sustainable Construction Enginee | Ghafar, N.H.A., Faculty of Civil Engineering & Built Environment, Universiti Tun Hussein Onn Malaysia, Batu Pahat, |
| 40 | Identification of MHC Class II Immunopeptidomes from | Indonesian Biomedical Journal | Shabani, N.R.M., Institute for Research in Molecular Medicine, Universiti Sains Malaysia, Penang, Gelugor, 11800, M |
| 41 | Influence of etching time on the porous p-type gallium | International Journal of Nanotechnology | Sohimee, S.N., Institute of Nano Optoelectronics Research and Technology (INOR), Universiti Sains Malaysia, Pena |
| 42 | Mass spectrometry-based immunopeptidomics and co | Computers in Biology and Medicine | Mohammad Shabani, N.R., Institute for Research in Molecular Medicine, Universiti Sains Malaysia, GelugorPenang |
| 43 | Molecular docking and molecular dynamic simulations | Journal of Biomolecular Structure and Dynamics | Ismail, N.Z., Advanced Medical and Dental Institute, Universiti Sains Malaysia, Penang, Malaysia; Mohamed, W.A.S |
| 44 | Observing the simulation behaviour of Magnesium all | Frattura ed Integrita Strutturale | Baharin, M.S., Department of Mechanical and Manufacturing Engineering, Faculty of Engineering and Built Environ |
| 45 | Optimization of ternary blends among refined palm oi | Renewable Energy | Che Mat, S., Centre for Mechanical Engineering Studies, Universiti Teknologi MARA, Permatang Pauh Campus, Caw |

Senarai Nama Penulis, Tajuk dan Jurnal/Prosiding (klik untuk terperinci)

| | | | |
|----|---|---|---|
| 46 | Quality of Life and its Association with Depression, An | Malaysian Journal of Medicine and Health Sciences | Ishak, A.R., Centre of Environmental Health and Safety, Faculty of Health Sciences, Universiti Teknologi MARA, Pulau Pinang, Malaysia; email: ishak@uitm.edu.my |
| 47 | Quantifying geometrically necessary dislocation with | Materials Science and Technology (United Kingdom) | Kok, W.M., Department of Engineering, University of Wollongong MKDU, Georgetown, Malaysia; Chuah, H.G., Department of Mechanical Engineering, Universiti Teknikal Malaysia Melaka, Durian Tunggal, Melaka, Malaysia; email: kokwm@uowollongong.edu.au |
| 48 | Studies of surface plasmon resonance of silver nanoparticle | International Journal of Phytoremediation | Isa, N., Centre for Chemical Engineering Studies, Universiti Teknologi MARA, Pulau Pinang, Malaysia; Osman, M.S., Faculty of Chemical Engineering, Universiti Teknikal Malaysia Melaka, Durian Tunggal, Melaka, Malaysia; email: isa@uitm.edu.my |
| 49 | An Overview of Characterisation, Utilisation, and Leachate | International Journal of Environmental Research | Ghazali, E., School of Civil Engineering, Universiti Sains Malaysia, Engineering Campus, Pulau Pinang, Nibong Tebal, Malaysia; email: ghazali@usm.edu.my |
| 50 | EfficientNet based Convolutional Neural Network for | 19th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology, ECTI-CON 2022 | |
| | | | Damanhuri, N.S.; Centre for Electrical Engineering Studies, Cawangan Pulau Pinang, Permatang Pauh Campus, Malaysia; email: norsalwa071@uitm.edu.my |
| 51 | Estimation of Asynchrony Events with Negative Elasticity | 2022 8th International Conference on Control, Decision and | Chiew, Y.S.; School of Engineering, Malaysia; email: Chiew.Yeong.Shiong@monash.edu |
| 52 | Exploratory Temperature Comparison on Different Pro | Lecture Notes in Mechanical Engineering | Halidi, S.N.A.M.; School of Mechanical Engineering, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang, Malaysia; email: halidi@uitm.edu.my |
| 53 | Prediction Model of Mass Rapid Transit Noise Level Us | Springer Proceedings in Physics | Hamid, N.B.; Spatial Technology for Civil Engineering (STforCE), Johor, Malaysia; email: norbaizura@uthm.edu.my |
| 54 | Study on Ammonia and Colour Removal from Leachate | IOP Conference Series: Earth and Environmental Science | Zin, N.S.M.; Department Water and Environmental Engineering, Parit Raja, Malaysia; email: nursha@uthm.edu.my |

Action to Drive PI 54 : Joint Publication with Industry Collaborators (Wt. 4)

Current PI Achievement : 7
PI Target for 2022 : 3

100%

Strategy Difficulty Rate (SDR)

1 = Easy to complete / low fruit strategy
2 = Requires minimal intervention
3 = Potential system/policies/human bottlenecks
4 = Requires major system/policies/human change

Strategy Completion Rate (SCR)

1 = Completion in less than 3 months
2 = Completion within 6 months
3 = Completion within 1 year
4 = Completion more than 1 year

| Provide three (3) best strategies | | | | | | |
|-----------------------------------|-------------------------------|--|--------------------------------|--------------------------------|-----------------------------------|---|
| No | Strategy Name & Description | Potential Strategy Output (PSO) & Monitoring Proof | Strategy Difficulty Rate (SDR) | Strategy Completion Rate (SCR) | Cost Incurred (RM) | Explain if SCR is 3 and 4 category |
| 1 | Staff doing internship | 7 (Senarai Nama, Tajuk dan Jurnal/Prosiding) | 2 | 3 | RM2,000.00/paper = RM14,000.00 | Late Publication and Late Indexing To date 50 proceedings and 23 journals waiting for publication and indexing |
| 2 | FYP Students with industry | | | | | |
| 3 | Collaboration with industries | | | | | |
| | Total | 7 | 2 | 3 | RM14,000.00 | |

Conclude ;

1. Whether or not total potential strategy output (PSO) can help to achieve PI targets for year 2022 ? **YES**
2. Whether Strategy difficulty rate (SDR) vs strategy completion rate (SCR) is acceptable ? **YES**
3. Whether total cost from available resources or additional funds are required ? **NO**

Senarai Nama Penulis, Tajuk, Jurnal/Prosiding dan Industri Terlibat

| No | Tajuk Jurnal/Prosiding | Authors (from UiTM CPP) | Jurnal/Prosiding | Industry |
|----|--|---|---|---|
| 1 | Design of FPGA-Based SHE and SPWM Digital Switching Controllers for 21-Level Cascaded H-Bridge Multilevel Inverter Model | Noorsal, E., | Micromachines | LogikHaus Sdn. Bhd, Penang, Malaysia |
| 2 | The Strength and Thermal Properties of Concrete containing Water Absorptive Aggregate from Well-Graded Bottom Ash (BA) as Partial Sand Replacement | Yee, H.M., | Construction and Building Materials | TNB Research Sdn. Bhd, Selangor, Malaysia. |
| 3 | Recent trends in next generation immunoinformatics harnessed for universal coronavirus vaccine design | Chuah, C., | Pathogens and Global Health | QIMR Berghofer Medical Research Institute, Australia. |
| 4 | Application of Epoxy Resin for Improvement of the Banana Stem-Acoustic Panel | Jalil, M.J., Azmi, I.S., Habulat, A., | Recent Innovations in Chemical Engineering | Comgreat Solutions Sdn. Bhd, Perak, Malaysia |
| 5 | The Strength and Thermal Properties of Concrete containing Water Absorptive Aggregate from Well-Graded Bottom Ash (BA) as Partial Sand Replacement | Yee, H.M., | Construction and Building Materials | TNB Research Sdn. Bhd, Selangor, Malaysia. |
| 6 | Recent trends in next generation immunoinformatics harnessed for universal coronavirus vaccine design | Chuah, C., | Pathogens and Global Health | QIMR Berghofer Medical Research Institute, Australia; |
| 7 | Self Tuning of PI Controller for Speed Control of DC Motor by Using Fuzzy Logic Controller | Samat, A.A.A., Tajudin, A.I., Daud, K., Shukor, S.F.A | 2021 6th IEEE International Conference on Recent Advances and Innovations in Engineering, ICRAIE 2021 | IOB Technology Sdn Bhd, Selangor, Malaysia. |

Action to Drive PI 55 : Joint Publication with International Collaborators (Wt. 4)

Current PI Achievement : 17
PI Target for 2022 : 20

85%

Strategy Difficulty Rate (SDR)

1 = Easy to complete / low fruit strategy
2 = Requires minimal intervention
3 = Potential system/policies/human bottlenecks
4 = Requires major system/policies/human change

Strategy Completion Rate (SCR)

1 = Completion in less than 3 months
2 = Completion within 6 months
3 = Completion within 1 year
4 = Completion more than 1 year

| Provide three (3) best strategies | | | | | | |
|-----------------------------------|--|--|--------------------------------|--------------------------------|--------------------------------|---|
| No | Strategy Name & Description | Potential Strategy Output (PSO) & Monitoring Proof | Strategy Difficulty Rate (SDR) | Strategy Completion Rate (SCR) | Cost Incurred (RM) | Explain if SCR is 3 and 4 category |
| 1 | Postgraduate Students | 17 (Senarai Nama, Tajuk dan Jurnal/Prosiding) | 2 | 3 | RM2,000/paper = RM34,000.00 | Late Publication and Late Indexing To date 50 proceedings and 23 journals waiting for publication and indexing |
| 2 | Staffs Graduated from Overseas (Collaboration after Graduated) | | | | | |
| 3 | MoA/MoU with International Universities | | | | | |
| | Total | 17 | 2 | 3 | RM34,000.00 | |

Conclude ;

- Whether or not total potential strategy output (PSO) can help to achieve PI targets for year 2022 ? **YES**
- Whether Strategy difficulty rate (SDR) vs strategy completion rate (SCR) is acceptable ? **YES**
- Whether total cost from available resources or additional funds are required ? **NO**

Senarai Nama Penulis, Tajuk dan Jurnal/Prosiding (klik untuk terperinci)

| | | | |
|----|--|--|--|
| 3 | Development and Validation of Knowledge, Attitude, and Practice Towards Antibiotic Use among Patients in a Tertiary Hospital | Research Journal of Pharmacy and Technology | Karuniawati, H., Department of Pharmacology and Clinical Pharmacy, Faculty of Medicine, Universiti Kebangsaan Malaysia |
| 4 | Microwave heating control system using genetic algorithm-based PID controller | IOP Conference Series: Earth and Environmental Science | Apriaskar, E., Department of Electrical Engineering, Faculty of Engineering, Universiti Teknikal Malaysia Melaka |
| 5 | Compatibility Study on Cobalt Alloy Coating Due to Different Current Distribution in Electroplating | Lecture Notes in Mechanical Engineering | Hyie, K.M., School of Mechanical Engineering, College of Engineering, Universiti Teknikal Malaysia Melaka |
| 6 | Estimating the incidence of spontaneous breathing effort of mechanically ventilated patients using a novel algorithm | Computer Methods and Programs in Biomedicine | Damanhuri, N.S.; Centre for Electrical Engineering Studies, Cawangan Kuala Lumpur, Universiti Teknikal Malaysia Melaka |
| 7 | The Strength and Thermal Properties of Concrete containing Water Absorptive Aggregates | Construction and Building Materials | Abdullah, M.J., Department of Civil Engineering, Universiti Tenaga Nasional |
| 8 | Synthesis of catechol-amine coating solution for membrane surface modification | Environmental Science and Pollution Research | Senusi, F., Centre for Chemical Engineering Studies, Universiti Teknologi Malaysia |
| 9 | Co-pyrolysis of polyolefin mixtures and oil palm fibre for the production of liquid fuel | Biomass Conversion and Biorefinery | Gin, A.W., School of Chemical Engineering, Universiti Sains Malaysia, Engineering Campus, Pulau Pinang |
| 10 | Recent trends in next generation immunoinformatics harnessed for universal coronavirus vaccine development | Pathogens and Global Health | Lim, C.P., School of Pharmaceutical Sciences, Universiti Sains Malaysia |
| 11 | Anodic film on Ti: Nanotubes formation and application for Cr(VI) and Cd(II) removal | Materials Today: Proceedings | Nurhaswani Alias, SeeWan Hui, SitiAzlina Roslia, Zuhailawati Hussain, Universiti Teknikal Malaysia Melaka |
| 12 | Degradation of Oxirane Ring for Epoxidation of Palm Oleic Acid via In Situ Performance | Recent Innovations in Chemical Engineering | Gin, A.W., School of Chemical Engineering, Universiti Sains Malaysia, Engineering Campus, Pulau Pinang |
| 13 | Isolated Diastolic Hypertension and Risk of Cardiovascular Disease: Controversies in the Management | Hypertension | Sohimee, S.N.; Institute of Nano Optoelectronics Research and Technology, Universiti Teknikal Malaysia Melaka |
| 14 | Mass spectrometry-based immunopeptidomics and computational vaccinology strategies for COVID-19 vaccine development | Computers in Biology and Medicine | Yano, Y.; Department of Advanced Epidemiology, Seta, Tukiowa-cho, National Institute of Advanced Industrial Science and Technology |
| 15 | Synthesis of catechol-amine coating solution for membrane surface modification | Environmental Science and Pollution Research | Ismail, S.; School of Chemical Engineering, Engineering Campus, Pulau Pinang, Universiti Sains Malaysia |
| 16 | The Strength and Thermal Properties of Concrete containing Water Absorptive Aggregates | Construction and Building Materials | Beddu, S.; Department of Civil Engineering, Selangor Darul Ehsan, Malaysia |
| 17 | Classification of Cervical Precancerous Cell of ThinPrep Images Based on Deep Learning | Proceedings - 2022 IEEE 11th International Conference on Communication Systems and Network Technologies, CSNT 2022 | |
| | | | |
| | | | |
| | | | |

Action to Drive PI 64 : National Funded Grants (Wt. 3)

Current PI Achievement : RM1,121,040.00
 PI Target for 2022 : RM1,400,000.00

80%

Strategy Difficulty Rate (SDR)

1 = Easy to complete / low fruit strategy
 2 = Requires minimal intervention
 3 = Potential system/policies/human bottlenecks
 4 = Requires major system/policies/human change

Strategy Completion Rate (SCR)

1 = Completion in less than 3 months
 2 = Completion within 6 months
 3 = Completion within 1 year
 4 = Completion more than 1 year

| Provide three (3) best strategies | | | | | | |
|-----------------------------------|--|---|--------------------------------|--------------------------------|--------------------|------------------------------------|
| No | Strategy Name & Description | Potential Strategy Output (PSO) & Monitoring Proof | Strategy Difficulty Rate (SDR) | Strategy Completion Rate (SCR) | Cost Incurred (RM) | Explain if SCR is 3 and 4 category |
| 1 | NATIONAL GRANT HUNTING - Webinar "KLINIK FRGS & PRGS 2022" - Planning and Writing FRGS Grant Proposal | 16 Grant FRGS 2022 – 16 Principal Investigator (senarai nama penyelidik yang berjaya seperti dilampiran) | 2 | 2 | RM1,795,442.00 | Tiada berkenaan |
| | Total | 16 | 2 | 2 | RM1,795,442.00 | |

Conclude ;

- Whether or not total potential strategy output (PSO) can help to achieve PI targets for year 2022 ? **YES**
- Whether Strategy difficulty rate (SDR) vs strategy completion rate (SCR) is acceptable ? **YES**
- Whether total cost from available resources or additional funds are required ? **NO**

Senarai Nama Penyelidik

| NO | TITLE | LEAD RESEARCHER'S | COST (RM) |
|----|--|---|------------|
| 1 | Unravelling the dynamical motion behaviour and mechanism of "on-the-fly" pure hydrogen production by autonomous iron/rice husk microbots in formic acid solutions | DR. WAN ZURAIDA BINTI WAN KAMIS | 144,000.00 |
| 2 | Elucidating Flocc Aggregation, Growth and Structures in Batch Electrocoagulation With Intensified Microbubbles for Leachate Treatment | Ts. DR. NOORZALILA BINTI MUHAMMAD NIZA | 71,899.00 |
| 3 | Dielectric Properties for Absorption Performance of Geopolymer Ceramic Composite on Orifice Array Microwave Absorber | LINDA BINTI MOHD KASIM | 72,500.00 |
| 4 | Translocation interaction of biogenic chitosan coated-iron oxide nanocomposites as seed primer with <i>Lactuca sativa</i> (lettuce) cellulosic walls for enhancement of seed vigor | Ir. Ts. MOHAMED SYAZWAN BIN OSMAN | 141,402.00 |
| 5 | Elucidation of etching mechanism for porosification of GaN nanostructure enhancement under low temperature alternating current photo-electrochemical technique | DR. AINORKHILAH BINTI MAHMOOD | 100,950.00 |
| 6 | Formulation Of A New Density-adaptive Classifier Framework Based On Radiomics & U-net Convolutional Neural Network (Cnn) Fused Features In Breast Lesion Mammogram | PROF. MADYA Ir. Ts. DR. ZAINAL HISHAM BIN CHE SOH | 106,376.00 |
| 7 | Formulation of the durability criterion for reinforced concrete beam based on real-time big data behaviour | PROF. MADYA DR. NOORSUHADA BINTI MD NOR | 157,180.00 |
| 8 | The role of ternary N/S/O-heteroatoms hybridized onto carbon quantum dots derived chitosan-based shrimp shells in assisting adsorption behavior of CO ₂ | DR. NORHUSNA BINTI MOHAMAD NOR | 176,373.00 |

Senarai Nama Penyelidik

| NO | TITLE | LEAD RESEARCHER'S | COST (RM) |
|----|--|---|------------|
| 9 | Kinetics of immobilized xylanase in converting prebiotic compound of xylooligosaccharides from rice husk waste | DR. SITI SABRINA BINTI MOHD SUKRI | 88,430.00 |
| 10 | Vibration-based Mathematical Model of Uncertainty Terrain Classification | NURUL MUTHMAINNAH BINTI MOHD NOOR | 67,046.00 |
| 11 | Stab Resisting Behavior of High Density Polyethylene Reinforced Kevlar Trauma Liner and Polycarbonate Film | Ts. DR. MOHD ROZAIMAN BIN AZIZ | 183,900.00 |
| 12 | Synergistic mechanism of catalytic co-pyrolysis of disposable face mask and oil palm frond over HZSM-5 via free radical interaction reaction | DR. HAMIZURA BINTI HASSAN | 148,000.00 |
| 13 | Modelling teaching and learning in hospitality course for youth with high functioning autism spectrum disorder (HFASD): General Educators | PROF. MADYA Ts. DR. NORFEZAH BINTI MD NOR | 78,700.00 |
| 14 | Mechanistic Insight on The Role of Titanium Active Sites Incorporated onto Aluminum Derived from Sludge Waste in Enhancing Co-Pyrolysis Behavior Towards Producing Aromatic Rich Bio-Oil | DR. MUHAMMAD ZAHIRUDDIN BIN RAMLI | 87,026.00 |
| 15 | Elucidating mechanistic insight of phenolic-rich extract purification using hydrophobic nanostructure 3D-graphene oxide framework | Ir. MOHD AZAHAR BIN MOHD ARIFF | 107,410.00 |
| 16 | A Framework for Teaching Handwriting Skills among Specific Learning Disorder Children in Primary Schools through Cognitive Orientation to Daily Occupational Performance (CO-OP) | MUHAMMAD AZWAN BIN AZRI | 64,250.00 |

Action to Drive PI 65 : Industry Funded Grants (Wt. 3)

Current PI Achievement : RM60,000.00
 PI Target for 2022 : RM300,000.00

20%

Strategy Difficulty Rate (SDR)

1 = Easy to complete / low fruit strategy
 2 = Requires minimal intervention
 3 = Potential system/policies/human bottlenecks
 4 = Requires major system/policies/human change

Strategy Completion Rate (SCR)

1 = Completion in less than 3 months
 2 = Completion within 6 months
 3 = Completion within 1 year
 4 = Completion more than 1 year

| Provide three (3) best strategies | | | | | | |
|--|---|--|--------------------------------|--------------------------------|--------------------|--|
| No | Strategy Name & Description | Potential Strategy Output (PSO) & Monitoring Proof | Strategy Difficulty Rate (SDR) | Strategy Completion Rate (SCR) | Cost Incurred (RM) | Explain if SCR is 3 and 4 category |
| 1 | INDUSTRIAL GRANT HUNTING - Secrets to writing a winning grants - Webinar Winning Industrial Research Grant | 5 Grant / 4 Principal Investigator (senarai nama penyelidik seperti dilampiran) | 4 | 4 | RM60,000.00 | Many lecturers applied but it is still unachievable. The target of RM300,000 is too high to be achieved. |
| | Total | 5 | 4 | 4 | RM60,000.00 | |

Conclude ;

1. Whether or not total potential strategy output (PSO) can help to achieve PI targets for year 2022 ? **NO**
2. Whether Strategy difficulty rate (SDR) vs strategy completion rate (SCR) is acceptable ? **NO**
3. Whether total cost from available resources or additional funds are required ? **YES**

Senarai Nama Penyelidik

| NO | TITLE | LEAD RESEARCHER'S | COST (RM) |
|----|--|-----------------------------------|-----------|
| 1 | MYCELIUM BASED COMPOSITE : A NEW RESOURCE TO FUTURE OF SUSTAINABILITY PACKAGING | Ts. DR. FARRAH NOOR BINTI AHMAD | 15,000.00 |
| 2 | DEVELOPMENT OF CORROSION RESISTANT CO-NI-FE COATING PRODUCT FOR PIPING WORK | PROF. MADYA DR. Ir. KOAY MEI HYIE | 10,000.00 |
| 3 | ASSIMILATE DEEP LEARNING TECHNIQUE (DLT) IN FORMULATING OPTIMAL LABOUR PRODUCTIVITY | Ir. ZULFAIRUL BIN ZAKARIAH | 5,000.00 |
| 4 | ANALYTICAL FRAMEWORK FOR CONSTRUCTION LABOUR PRODUCTIVITY | DR. SITI HAFIZAN BINTI HASSAN | 10,000.00 |
| 5 | TECHNOLOGY MANAGEMENT ON FORMULATION OF BAKERY PRODUCT FROM STABILIZATION RICE BRAN FOR HUMAN COSUMPTION | DR. MOHD SUBRI BIN TAHIR | 20,000.00 |

Action to Drive PI 66 : International Funded Grants (Wt. 4)

Current PI Achievement : RM57,200.00
 PI Target for 2022 : RM60,000.00

95%

Strategy Difficulty Rate (SDR)

1 = Easy to complete / low fruit strategy
 2 = Requires minimal intervention
 3 = Potential system/policies/human bottlenecks
 4 = Requires major system/policies/human change

Strategy Completion Rate (SCR)

1 = Completion in less than 3 months
 2 = Completion within 6 months
 3 = Completion within 1 year
 4 = Completion more than 1 year

| Provide three (3) best strategies | | | | | | |
|-----------------------------------|---|---|--------------------------------|--------------------------------|--------------------|--|
| No | Strategy Name & Description | Potential Strategy Output (PSO) & Monitoring Proof | Strategy Difficulty Rate (SDR) | Strategy Completion Rate (SCR) | Cost Incurred (RM) | Explain if SCR is 3 and 4 category |
| 1 | MATCHING GRANT (INTERNATIONAL GRANT) - MoA with UNAIR - MoA with UNTAN | 8 Grant / 8 Principal Investigator (senarai nama penyelidik seperti dilampiran) | 2 | 3 | RM55,000.00 | Matching Grant needs MoA and this process takes long time. The listed is the last year's MoA. |
| | Total | 8 | 2 | 3 | RM50,000.00 | |

Conclude ;

1. Whether or not total potential strategy output (PSO) can help to achieve PI targets for year 2022 ? **YES**
2. Whether Strategy difficulty rate (SDR) vs strategy completion rate (SCR) is acceptable ? **YES**
3. Whether total cost from available resources or additional funds are required ? **NO**

Senarai Nama Penyelidik

| NO. | TITLE | LEAD RESEARCHER'S | COST (RM) |
|-----|--|--------------------------------------|-----------|
| 1 | Elucidating Indonesian And Malaysian University Students' Coping Strategies | PROF. MADYA DR. ROFIZA BT ABOO BAKAR | 5,000.00 |
| 2 | The Development And Validation Of A Self-care Management Thalassemia Children Questionnaire (SCMTC) In Northern Region Of Malaysia: A Mixed Methodological Approach | Ts. DR. WAN ISMAHANISA WAN ISMAIL | 10,000.00 |
| 3 | Food Safety Knowledge, Attitude, Practices And Self-preventative Measure Among Food Delivery Riders In Malaysia And Indonesia: A Structural Modelling Approach | PROF. MADYA Ts. DR. NOR FEZAH MD NOR | 5,000.00 |
| 4 | The Effect Of Occupational Health And Management System On Indoor Air Quality At SME Food Industries In Malaysia | DR. SITI NURSHAHIDA NAZLI | 10,000.00 |
| 5 | Analysis Of Stress Profiles And Association With Urinary Biopyrin Oxidative Stress Levels | DR. SITI NUR FADZILAH MUHSAIN | 10,000.00 |
| 6 | DETERMINANTS OF 21st CENTURY DIGITAL LITERACY SKILLS AMONG MALAYSIAN AND INDONESIA UNDERGRADUATES | AZLI AFFENDY LEE | 5,000.00 |
| 7 | Consumers Behavioral Intention To Use Food Delivery Services: E-selfqual | DAHLAN ABDULLAH | 5,000.00 |
| 8 | Trend-driven Innovation For Ready-to-eat Food Market : A Comparative Study Of Consumers Attitude Towards The Current Trends Of Ready-to-eat Market In Malaysia And Indonesia | DR. NUR'HIDAYAH BINTI CHE AHMAT | 5,000.00 |

CHALLENGES IN ACHIEVING PI & REQUIRED SUPPORT

[CABARAN / ISU DALAM MENCAPAI PI]

| PERFORMANCE INDICATOR, PI [Petunjuk Prestasi] | CHALLENGES/ ISSUES [Cabaran / Issue] | SUPPORT REQUIRED [Keperluan Sokongan] |
|--|---|--|
| 7, 8 | UiTM Global (UG) system only open once every three months. | UG system should be open (1 st to 4 th) very month for PTJ updating. |
| 82 | None of the MoU/MoA signed are with the Top 300 International QS World University Ranking. | Support from UG and UiTM Shah Alam (KPK etc). |
| 49 | <ul style="list-style-type: none"> ▪ Staffs focused on journals due to the compulsory requirement of promotion. ▪ Higher publication cost in SCOPUS/WoS than PYPA budget. • Extra publication fees which is not included in the conference fees. These fees are not being borne by UiTM. | <ul style="list-style-type: none"> ▪ Indexed journals counted in promotion as compulsory requirement. ▪ Provide extra budget fo higher publication cost. ▪ Provide extra budget for publication fees. |

CHALLENGES IN ACHIEVING PI & REQUIRED SUPPORT

[CABARAN / ISU DALAM MENCAPAI PI]



| PERFORMANCE INDICATOR, PI [Petunjuk Prestasi] | CHALLENGES/ ISSUES [Cabaran / Issue] | SUPPORT REQUIRED [Keperluan Sokongan] |
|---|---|--|
| 50 | <ul style="list-style-type: none">▪ Late indexing in SCOPUS/WoS/ERA.▪ No enforcement to publish in indexed publication from the top management.▪ Staffs without PhD not motivated to publish.▪ No internal funds for branches.▪ No postgraduate students and lack of R&D facilities to produce high impact research especially at branches. | <ul style="list-style-type: none">▪ Indexed journal publication compulsory for SKT marks. Provide maximum marks for staffs without indexed journal publications as main/corresponding author.▪ Internal funds for branches. |
| 65 | <p>Last year, 1 staff got RM300k. This year many staffs applied but unsuccessful.</p> | <ul style="list-style-type: none">▪ Collaboration and support with the government state.▪ Proposed to reduce the target value. |
| 19 | <ul style="list-style-type: none">▪ Difficult to fulfil the OD (within 1 year of graduation) as majority of Engineering, Health Sciences and Pharmacy graduates will join factories/companies/government as their courses are highly demand.▪ Last year we only managed to obtain only 24 graduates. | <p>It is beyond our control. Proposed to reduce the target value.</p> |

CHALLENGES IN ACHIEVING PI & REQUIRED SUPPORT

[CABARAN / ISU DALAM MENCAPAI PI]

| PERFORMANCE INDICATOR, PI [Petunjuk Prestasi] | CHALLENGES/ ISSUES [Cabaran / Issue] | SUPPORT REQUIRED [Keperluan Sokongan] |
|---|--|---|
| 72 | SMART system cannot detect the information entered. ICAN asked to submit the report manually. | A system that is stable and reliable to be used by PTJ. |
| 74 | Lack of international MoA/MoU. Some international industries refused for any MoA/MoU documentation, e.g. : Each year Intel had been collaborated with IPTAs nationwide for a 3-months training on latest IC Design, TVET and IOT applications but Intel refused to go for MoA/MoU. | <ul style="list-style-type: none">▪ It is beyond our control. ICAN Shah Alam needs to identify and discuss the matters of international industries refused for any MoA/MoU documentation with MOHE.▪ Proposed to reduce the target value to 1. |

CHALLENGES IN ACHIEVING PI & REQUIRED SUPPORT

[CABARAN / ISU DALAM MENCAPAI PI]

| PERFORMANCE INDICATOR, PI [Petunjuk Prestasi] | CHALLENGES/ ISSUES [Cabaran / Issue] | SUPPORT REQUIRED [Keperluan Sokongan] |
|---|--|--|
| 25 | <ul style="list-style-type: none"> ▪ New PI assigned to UiTM Penang. As it is difficult to recognized the start-up companies as stated in OD (guided and supervised by the IPT Entrepreneurship Center due to lack of expertise). ▪ Engineering, Health Science & Pharmacy are considered tough and difficult courses with a lot of mini projects and assessments, therefore students less interests in business start-up. ▪ Less exposure in digitally driven start-up companies from surrounding. | <ul style="list-style-type: none"> ▪ Arrangement for seed fund and collaboration between cross faculties such as Faculty of Computer and Mathematical Sciences, Faculty of Business Management and College of Engineering for start-up. ▪ Proposed to reduce the target value. |

INCOME GENERATION: REPORT & STRATEGY 2022

CAMPUS: PULAU PINANG

Towards achieving RM 1 Billion Income Generation by 2025

Menyerlahkan Potensi
Membentuk Masa Hadapan



CONTENT

01

Branch Overview

02

Income Generation

- Objectives
- Organisation chart
- Activities / Project
- Achievement Year 2019 -2021
- Financial Status 2022
- Issues and Challenges
- Way forward / Strategies

03

Others

UiTM Penang Branch at a Glance

Established
16 June 1996
temporary
campus at
Permatang
Pasir (11th
Campus of
UiTM)

2 August 2003
Permatang
Pauh Campus
(Main Campus)
(99.6 acres)

16 May 2011
Bertam Campus
(2nd Campus)
(227.97 acres)



UiTM Penang Branch at a Glance

Centre for Engineering Studies (College)

- Civil
- Mechanical
- Chemistry
- Electrical

Faculties

- Hotel & Tourism Management
- Pharmacy
- Health Sciences

Programs

- PhD/Masters
- Degree
- Diploma
- Pre-Diploma (PPT)

Servicing

- Department of Business & Management
- Department of Applied Sciences
- Department of Computer & Mathematical Sciences
- Academy of Language Studies
- Academy of Contemporary Islamic Studies

Demographics

- **994 staff** (569 academician + 425 non-academic)
- **5466 active students** (4462 Pmtg Pauh + 956 Bertam)



*Unleashing Potentials
Shaping the Future*



UNIVERSITI
TEKNOLOGI
MARA

Cawangan Pulau Pinang
Kampus Permatang Pauh
Kampus Bertam

JAWATANKUASA EKSEKUTIF NEGERI

EXECUTIVE MEMBERS UiTM PULAU PINANG BRANCH



NAIB CANSOLOR

PROF. DATUK Ts. DR. HAJAH
ROZIAH MOHD JANOR



REKTOR

PROF. MADYA Ir. DR. AHMAD
RASHIDY RAZALI
TREK (HEA)
MENJALANKAN TUGAS-TUGAS
REKTOR



TIMBALAN PENGARAH
PEJABAT
PENGURUSAN FASILITI

Ts. ZAINOLASRI
ABDUL SANI



TIMBALAN
PENDAFTAR KANAN

MOHD YAZED
ABD. RAZAK



TIMBALAN REKTOR
PENYELIDIKAN JARINGAN INDUSTRI
MASYARAKAT & ALUMINI

PROF. MADYA Ts. DR.
KAY DORA ABD GHANI



TIMBALAN REKTOR
AKADEMIK
& ANTARABANGSA

PROF. MADYA Ir. DR.
AHMAD RASHIDY RAZALI



TIMBALAN REKTOR
HAL EHWAL PELAJAR

PROF. MADYA Ts. DR.
BASHARUDDIN ABD HADI



PENOLONG REKTOR
KAMPUS BERTAM

ENCIK AMIR HEBERD
ABDULLAH



TIMBALAN
BENDAHARI

NUR KAMARUSYANI
MOHD ZAIN



TIMBALAN KETUA
PUSTAKAWAN

HAYATI
MOKHTARAM

Menyerlahkan Potensi
Membentuk Masa Hadapan

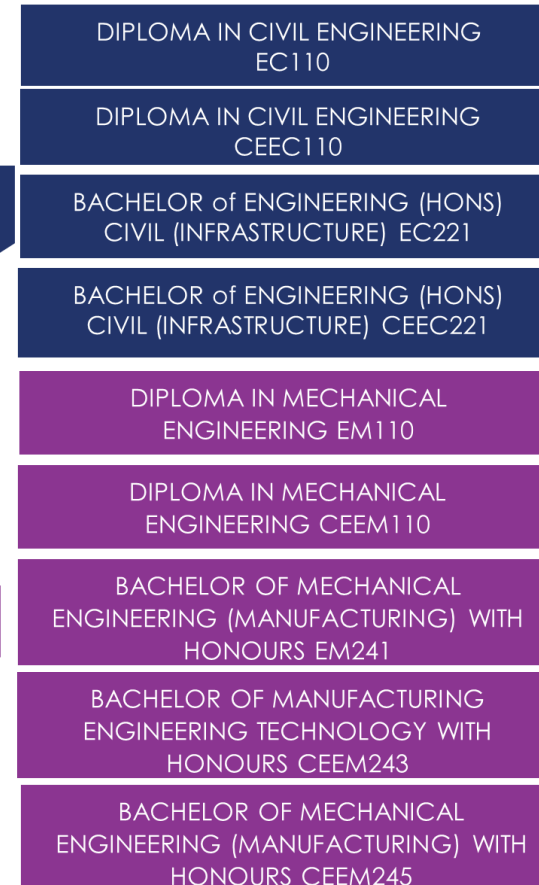
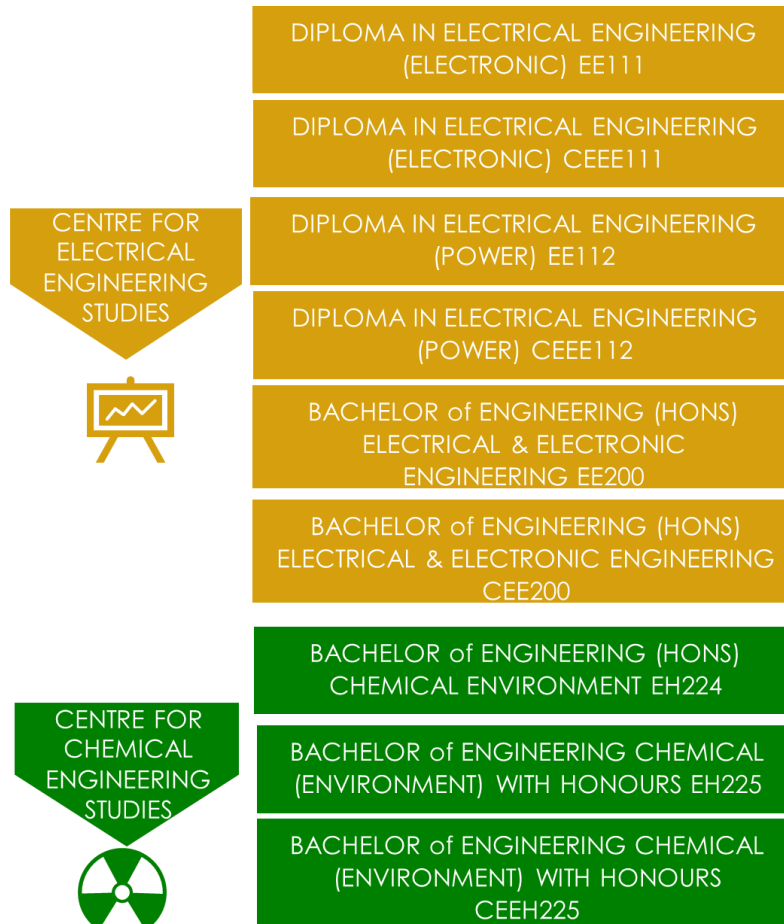


UiTM di hatiku

PROGRAMS AT PERMATANG PAUH CAMPUS

COLLEGE OF ENGINEERING

4 Pre-Diploma
20 Diploma
13 Bachelor Degree
11 Postgraduates



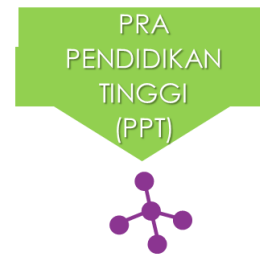
PROGRAMS AT PERMATANG PAUH CAMPUS



- DIPLOMA IN HOTEL MANAGEMENT HM110
- DIPLOMA IN TOURISM MANAGEMENT HM111
- DIPLOMA IN FOODSERVICE MANAGEMENT HM112
- DIPLOMA IN CULINARY ARTS HM115
- DIPLOMA IN PASTRY ARTS HM116
- B.SC (HONS) IN HOTEL MANAGEMENT HM240
- B.SC (HONS) IN CULINARY ART MANAGEMENT HM245



- DIPLOMA IN BUSINESS STUDIES BA111
- BACHELOR OF BUSINESS ADMINISTRATION(HONS) MARKETING BA240



- PRE DIPLOMA (COMMERCE)
- PRE DIPLOMA (SCIENCE)
- PRE DIPLOMA (SCIENCE STEM C & LITERATURE)
- PRE DIPLOMA (AGRO TECHNOLOGY)



- MASTERS IN BUSINESS ADMINISTRATION (AAGBS)
- MASTER OF SCIENCE BUSINESS MANAGEMENT
- DOCTOR OF PHILOSOPHY BUSINESS MANAGEMENT
- MSc IN CIVIL ENGINEERING
- MSc IN CHEMISTRY ENGINEERING
- MSc IN ELECTRICAL ENGINEERING
- MSc IN MECHANICAL ENGINEERING
- PhD IN CIVIL ENGINEERING
- PhD IN CHEMISTRY ENGINEERING
- PhD IN ELECTRICAL ENGINEERING
- PhD IN MECHANICAL ENGINEERING

**Unleashing Potentials
Shaping the Future**

PROGRAMS AT BERTAM CAMPUS

FACULTY OF
HEALTH
SCIENCE

DIPLOMA IN MEDICAL LAB TECHNOLOGY

DIPLOMA IN ENVIRONMENTAL HEALTH

DIPLOMA IN OCCUPATIONAL THERAPY

DIPLOMA IN PHYSIOTHERAPY

DIPLOMA IN NURSING



FACULTY OF
PHARMACY

DIPLOMA IN PHARMACY



INCOME GENERATION

INCOME GENERATION – LIST OF ACTIVITIES



Activities / Project 2022 (until July 2022)

| Name of Activity/Project | PIC | Level | Value |
|--|---------------------------------|---------------|---------------------|
| Program GEAR-UP! – Get Ready for University Programme | PM Ts Dr Kay Dora Abd Ghani | National | RM32,800.00 |
| Program Kimia Invensi Dan Inovasi Malaysia (Ki2m2022) | PM ChM Dr Nor Aziyah Bakhari | International | RM4,502.00 |
| Penjanaan - Sewaan Dewan bagi Program Jelajah Pendidikan Keluarga Malaysia | Mohd Syafiq Othman | National | RM12,241.00 |
| Program Jom Masuk IPT anjuran KPT | | National | RM491,288.07 |
| Yuran Pengajian Separuh Masa - Post Graduate | | National | RM150,507.65 |
| | | Total | RM717,858.32 |

INCOME GENERATION – SUMMARY OF ACHIEVEMENT

| KPI | PI No | PI Name | Year 2019 | Year 2020 | Year 2021 |
|-----|-------|---|------------------|-----------------|------------------|
| 22 | PI110 | Income generation from student's fees. | | | |
| | PI111 | Income generation from investment initiatives by university. | | | |
| | PI113 | Income generation from various 'Hasil Pengurusan'. | | | |
| 23 | PI117 | Income generation for Kumpulan Wang Amanah from education/ training programmes/ academic programmes/ competition. | RM 407,084.82 | RM 94,710.00 | RM 338,695.61 |
| | PI118 | Income generation for Kumpulan Wang Amanah from wakaf | | | |
| | PI119 | Income generation for Kumpulan Wang Amanah from endowment. | | | |
| | PI120 | Income generation for Kumpulan Wang Amanah from other 'Hasil Amanah'. | | | |

INCOME GENERATION – FINANCIAL STATUS 2022

| KPI | PI No | PI Name | Target 22 | Apr 22 |
|-----|-------|---|------------|--------------|
| 22 | PI110 | Income generation from student's fees. | | |
| | PI111 | Income generation from investment initiatives by university. | | |
| | PI113 | Income generation from various 'Hasil Pengurusan'. | | |
| 23 | PI117 | Income generation for Kumpulan Wang Amanah from education/ training programmes/ academic programmes/ competition. | RM 350,000 | RM 35,152.60 |
| | PI118 | Income generation for Kumpulan Wang Amanah from wakaf | | |
| | PI119 | Income generation for Kumpulan Wang Amanah from endowment. | | |
| | PI120 | Income generation for Kumpulan Wang Amanah from other 'Hasil Amanah'. | | |

INCOME GENERATION – *ISSUES & CHALLENGES*



Issues :

Lack of Awareness among the UiTM CPP staffs on their responsibility towards campus income generation.

INCOME GENERATION – *WAY FORWARD*



Way forward :

Auto-generated income from internal projects inside UiTM CPP as to decreased the burden to existing staffs.

RAKAN STRATEGIK UTM CPP

(STRATEGIC PARTNERS)

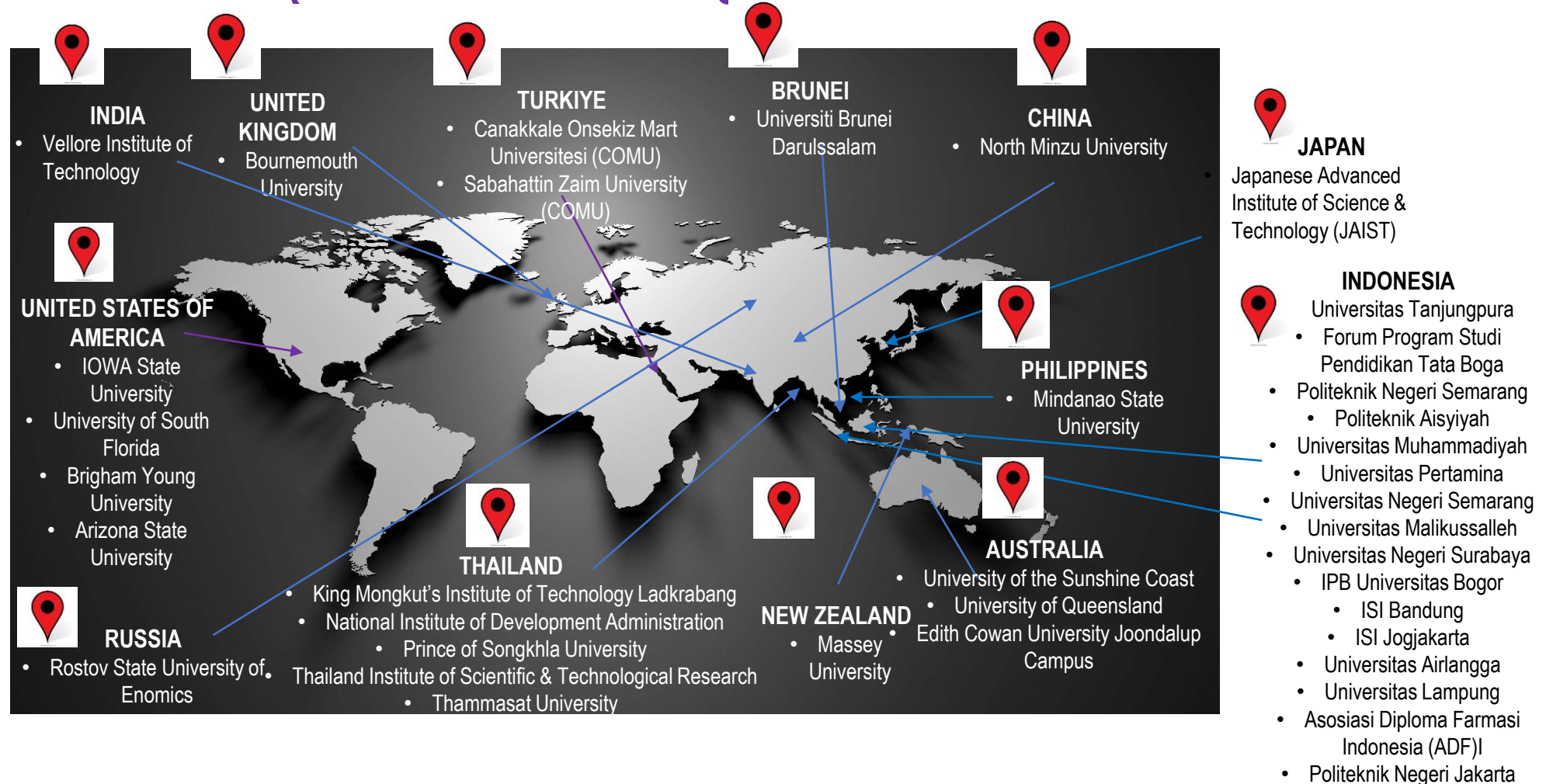
- Jabatan Pendidikan Negeri Pulau Pinang
- FAMA Pulau Pinang
- MARA Pulau Pinang
- ICU-JPM Pulau Pinang
- Majlis Bandaraya Seberang Perai (MBSP)
- JKR
- TNB
- Monash University
- International Islamic University Malaysia
- Lincoln University
- MBSP
- IKTBN

- Dandy Modern Food
- Kelab Talasemia Kedah
- IFCON Technology Sdn. Bhd.
- Siltera
- Jesin Construction Sdn. Bhd.
- Flextronic
- Aqua Bio Resources Sdn. Bhd.
- Genius Intelek Sdn. Bhd.
- Crest
- Motorola
- UST Global
- Farid Ahmad Consulting Engineers Sdn Bhd
- World Bay Solution Sdn. Bhd.
- Malaysia Green Building Council (MGBC)
- Macro Dimension Cement (MDC) Sdn.Bhd.
- RHA Consulting Engineers Sdn. Bhd.
- Perunding Hashim & NEH Sdn. Bhd.
- Garden Village Design Sdn. Bhd.

- Jurutera MTC Sdn. Bhd.
- Semarak Holdings Sdn. Bhd.
- The Light Hotel
- Bank Islam
- National Instruments
- Filpal (S) Pte Ltd
- KPJ Pulau Pinang
- THB Maintenance Sdn. Bhd.
- Intel
- Jambatan Kedua Sdn. Bhd.
- Elsu haz (M) Sdn. Bhd.
- EMZI Holdings Sdn. Bhd.
- Total Power Solutions Sdn. Bhd.
- Pak Mat Western Sdn. Bhd.
- Zai Music World
- Komitmen Mantap Sdn..Bhd.
- Agrobank

JARINGAN ANTARABANGSA *UiTM CPP only

(International Networking)



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Membentuk Masa Hadapan



UiTM di hatiku

THANK YOU



Menyerlahkan Potensi
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