

**CIVIL ENGINEERING DEPARTMENT, FACULTY OF ENGINEERING**

**FINAL YEAR PROJECT SYMPOSIUM**

**8 JULY 2015**

**THEME: WATER AND ENVIRONMENTAL**

**MORNING SESSION**

**VENUE: TR1**

<b>Time</b>	<b>No.</b>	<b>Presenter</b>	<b>Student ID</b>	<b>Project title</b>	<b>Supervisor</b>
9.00-9.20	1	Md. Muszaimi B Md Musa	30967	Implementation water harvesting in industries	<b>AP. Nasser Rostam Afshar</b>
9.20-9.40	2	Sharifah Faizah Bt Wan Johor	32831	Flood Damage Mitigation	
9.40-10.00	3	Ev Rochelle Ashzana Roger Sumail	30104	Factors causing time delay in construction projects	
10.00-10.20	4	Hee Han Cheng	30350	Hydro-Rice Milling Machine	
10.20-10.40	5	Michelle Lim Mei Shing	30990	Necessity of micro hydropower in Sarawak	
10.40-11.00	6	Ling Kah Wei	30816	Building water sensitive Urban Design: Modelling of Green Roof	<b>Dr Mah Yau Seng</b>
11.00-11.20	7	Johnny Ngu Ong King	30530	Residential Water Sensitive Urban Design: Modelling On Site Detention Underneath Car Porch	
11.20-11.40	8	Lau Jing Teck	30703	Building water sensitive Urban Design: Modelling of Green Wall for Detention of Stormwater	
<b>BREAK</b>					

**THEME: WATER AND ENVIRONMENTAL**  
**AFTERNOON SESSION**  
**VENUE: TR1**

<b>Time</b>	<b>No.</b>	<b>Presenter</b>	<b>Student ID</b>	<b>Project title</b>	<b>Supervisor</b>
2.00-2.20	1	Fatin Farhana binti Zawawi	30182	Design study on various spillway capacities of the proposed Baram Dam	<b>Prof Dr FJ Putuhena</b>
2.20-2.40	2	Mohd Rashid Bin Mohd Shah	31246	Design study on various spillway capacities of the proposed Baleh Dam.	
2.40-3.00	3	Gloria Garnett Mawan Imat	30263	Design study on various spillway capacities of the proposed Limbang Dam.	
3.00-3.20	4	Siti Nadrah binti Jamaluddin Jugah	32978	Rainfall Simulation for designing pavement detention pond alternative (First alternative).	
3.20-3.40	5	Azrina bt Abdul Rahaman	29718	Rainfall Simulation for designing pavement detention pond alternative (Second alternative).	
3.40-4.00	6	Nureleana Hoklai Binti Sarudu	32297	Bacteria grow rate in collected rain water	<b>Dr Onni Suhaiza Selaman</b>
4.00-4.20	7	Nazura Zailah Bt Zainorin	29061	Properties of water from various natural resources	
4.20-4.40	8	Siti Naqiyah Binti Seman	34149	Relation between rainfall and infiltration rate on sandy soil/	
4.40-5.00	9	Nurfiza Binti Tahir	32315	Efficient drainage design in sandy soil	
5.00-5.20	10	Nur Hazirah Binti Ali	32151	Relationship between evaporation and hydro-meteorology component	
<b>SESSION ENDS</b>					

**THEME: MATERIALS AND STRUCTURES**

MORNING SESSION

VENUE : TR2

<b>Time</b>	<b>No.</b>	<b>Presenter</b>	<b>Student ID</b>	<b>Project title</b>	<b>Supervisor</b>
9.00-9.20	1	Noraini Zainudin	31830	Properties of ultrafine Palm Oil Fuel Ash (POFA) using wind tunnel production method	<b>Prof Dr Md Abdul Mannan</b>
9.20-9.40	2	Abg. Ikhwan bin Abg Bussri	23023	Durability properties of different concrete grades made by local ready mixed companies	
9.40-10.00	3	Najibah Aisyah Bt Yusuf	31512	Comparison of slab design between BS 8110 and Eurocode 2 by using Microsoft Excel	<b>Dr Raudhah Ahmadi</b>
10.00-10.20	4	Nurfazrina Bt Azemi	32313	Comparison of column elements design according to BS8110 and Eurocode 2	
10.20-10.40	5	Bibiana Dewi Ak John	29743	A comparative study of Eurocode 2 and BS 8110: Beam Analysis and Design of an RC Three Storey Building	
10.40-11.00	6	Effa Natrah Bt. Mohamad Riduan	30047	Strength and porosity of fly ash geopolymer as a function of alkaline activator types and concentration	<b>Dr Idawati Ismail</b>
11.00-11.20	7	Nazirah Sofia Bt. Mohd Amin	31553	Mechanical and durability properties of geopolymer based on Palm Oil Fuel Ash (POFA)	
11.20-11.40	8	Chan Siew Mui	29818	The effect of Moisture Content in Coarse Aggregates on the Properties of Concrete	<b>Prof Dr Ng Chee Khoon</b>
11.40-12.00	9	Bong Tze Fung	29760	High-strength Concrete with Fly Ash as Cement Replacement Material	
12.00-12.20	10	Goh Jun Da	30269	High-strength Concrete with Silica Fume as Cement Replacement Material	

**BREAK**

**THEME: MATERIALS AND STRUCTURES**

AFTERNOON SESSION

VENUE : TR2

<b>Time</b>	<b>No.</b>	<b>Presenter</b>	<b>Student ID</b>	<b>Project title</b>	<b>Supervisor</b>
1.20-1.40	1	Noor Hafidzah Binti Omarani	31270	Durability Study of Lophopetalum Spp and Dyera Costulata Species of Sarawak	<b>Dr Gaddafi Ismail</b>
1.40-2.00	2	Marlia Ak Jam	30920	Engineering properties of Lophopetalum Spp at different conditions	
2.00-2.20	3	Mohd Syahrizan bin Morsidi	31270	Engineering properties of Dyera Costulata at different conditions	
2.20-2.40	4	Nisa 'Aqila Bt Bakie	31617	The production of lightweight concrete between 500-1000kg/m <sup>3</sup> using calcium carbide as mineral admixture	<b>Prof Madya Mohammad Ibrahim Safawi Hj Mohd Zain</b>
2.40-3.00	5	Siti Ummirah Bt Dosah	33078	The relationship between C:S ratio in determining the strength of foamed concrete using an indigenous mixing method	
3.00-3.20	6	Lenny Kopper Anak Enggu	30750	A comparison of economy between the use of PVA in foam concrete for production as road base	
3.20-3.40	7	Siti Mazjida Mazlan	32969	A study to investigate the arrangement of concrete block as road base in replacing peat soil for road construction	
3.40-4.00	8	Vannyssa Victoria Ak Patrick	33362	A pilot study of 10 meter road for using foam concrete as peat replacement in the design of a road pavement	
4.00-4.20	9	Adelima Aypa Anak Ayai	29388	Void detection in cement based materials using UPV	<b>Dr Norsuzailina Mohamed Sutan</b>
4.20-4.40	10	Dayang Nuriyliana Afiqa Bt Abang Bakeri	29988	Void detection in cement based materials using Ultrasonic Pulse Velocity	
4.40-5.00	11	Gary Julis	30250	Hydration of Cement based materials	
5.00-5.20	12	Bobari Bilong Nelson	29750	Void detection in cement based materials using Ultrasonic Pulse Velocity	
<b>SESSION ENDS</b>					

**THEME: GEOTECHNICAL**  
**MORNING SESSION**  
**VENUE : TR3**

<b>Time</b>	<b>No.</b>	<b>Presenter</b>	<b>Student ID</b>	<b>Project title</b>	<b>Supervisor</b>
9.00-9.20	1	Charmaine Hemiliani Jaya	29837	Investigation of stabilised soils' geomorphology via SEM	<b>AP Dr Siti Noor Linda Taib</b>
9.20-9.40	2	Gladys Voon Pei Fung	30262	Stabilization of Serian soil with 40% clay content using Rice Husk Ash (RHA) for pavement subbase material	
9.40-10.00	3	Muhammad Asyraf Bin Mohd Zaideen	31359	Efficient sub-surface drainage design in slope stability	
10.00-10.20	4	Jacosby Amos anak Daga	33803	Stabilization of Sri Aman soil with 30% clay content using Rice Husk Ash (RHA) for pavement subbase material	
10.20-10.40	5	Christ Andra anak Razak	29924	Efficient sub-surface drainage design in slope stability	
10.40-11.00	6	Nur Azizah Haratono	32061	Stabilization of compacted sub-base using fiber reinforcement techniques (Nylon-tire waste product)	<b>Dr Norazzlina M. Sa'don</b>
11.00-11.20	7	Iylia binti Amir	30454	Stabilization of compacted sub-base using rubber powder	
11.20-11.40	8	Patricia Nuja Ak Embuas	32582	Stabilization of clay soil using RBI Grade 81 for pavement subgrade	<b>Prof. Dr. Shenbaga Rajaratnam Kaniraj Jeyachandran</b>
11.40-12.00	9	Ang Chun Sin	29582	Stabilization of Matang soil with 50%-55% clay content using Rice Husk Ash (RHA) for pavement subbase material.	
<b>BREAK</b>					

**THEME: GEOTECHNICAL**  
**AFTERNOON SESSION**  
**VENUE : TR3**

<b>Time</b>	<b>No.</b>	<b>Presenter</b>	<b>Student ID</b>	<b>Project title</b>	<b>Supervisor</b>
2.00-2.20	1	Ashadi Bin Hamdan	33683	Effect of strain rate on the undrained strength of clays	<b>Dr Fauzan Sahdi</b>
2.20-2.40	2	Mohd Azri Farid Bin Alley	33890	Comparison of UU strength and fall cone strength of undisturbed Sarawakian clays	
2.40-3.00	3	Wong Weng Loong	33493	Comparison of UU strength and fall cone strength of remolded Sarawakian clays	
3.00-3.20	4	Linneker Anak Gelau	30828	Slope stability analysis using Plaxis software	<b>Mr Ahmad Kamal Abdul Aziz</b>
3.20-3.40	5	Nurdiyana binti Ramlee	32293	Road embankment analysis over soft soil using Plaxis	
3.40-4.00	6	Ong Shu Wei	32559	Parametric study of excess pore water pressure on slope stability	
4.00-4.20	7	Norani Majaul	31839	Analysis of soil nailing using Plaxis	
<b>SESSION ENDS</b>					

**THEME: HIGHWAY AND TRANSPORTATION**

MORNING SESSION

VENUE : TR4

<b>Time</b>	<b>No.</b>	<b>Presenter</b>	<b>Student ID</b>	<b>Project title</b>	<b>Supervisor</b>
9.00-9.20	1	Melissa Lee May Syn	30974	An analysis of road crashes at signalised intersection in Kuching	<b>Dr Mohamad Raduan Bin Kabit</b>
9.20-9.40	2	Mohd Ismail Bin Yusuf	33896	Evaluating the impacts of full actuated signal control intersection considering pedestrian flows.	
9.40-10.00	3	Jasper Afera Ak Jisin	30492	Effect of detector types on actuated signal control	
10.00-10.20	4	Koon Jenn Yean	30671	An analysis of road crashes at unsignalised intersection in Kuching	
10.20-10.40	5	Jason Lee Kee Hean	30490	An investigation of road traffic crashes in KK, Tawau.	
10.40-11.00	6	Anna Azareena Binti Mohd Azwan Rizal	29614	Road management information system in UNIMAS	<b>En Zamri Bujang</b>
11.00-11.20	7	Nurafiqah Binti Panot	32270	Road safety audit stage 5: Case Study in Kuching	
11.20-11.40	8	Norlela Muhammad	31922	The effectiveness of U-Turn Facility at Riveria on Queue and Delay	
11.40-12.00	9	Ivy Juliet Ak Jason	30452	Safety parameter for pedestrian & cyclist at signalised junction at UNIMAS.	
<b>BREAK</b>					

**THEME: MATERIALS AND STRUCTURES**

AFTERNOON SESSION

VENUE : TR4

<b>Time</b>	<b>No.</b>	<b>Presenter</b>	<b>Student ID</b>	<b>Project title</b>	<b>Supervisor</b>
1.40-2.00	1	Dayang Hasyimah bt Awang Hamden	29981	Influence of alkaline activators and curing conditions on mechanical and durability of fly ash geopolymer binder	<b>Dr Idawati Ismail</b>
2.00-2.20	2	Nurjannah bt Mohamad Safiee	32345	Mechanical and durability performance of alkali-activated materials as a function of Palm Oil Fuel Ash (POFA) and fly ash ratio	
2.20-2.40	3	Joyner Anak Manggang	30548	Influence of water binder ratio and fly ash inclusion to strength and durability of Palm Oil Fuel Ash (POFA) geopolymer binder	
2.40-3.00	4	Chang Teck Wei	29832	The effect of different POFA replacement percentages on the properties of OPS concrete.	<b>Dr Delsye Teo Ching Lee</b>
3.00-3.20	5	Tan Suet Lee	33233	The effect of aggregate condition during mixing on the mechanical properties of OPS concrete.	
3.20-3.40	6	Edmund Ng Yung Kong	30040	The effect of aggregate during mixing on the penetration of chloride in OPS concrete.	
3.40-4.00	7	Loo Soo Chee	30848	The use of agricultural waste to produce light-weight concrete bricks	
4.00-4.20	8	Syaza Nabilah Bt Ahmad Selihin	33190	Design and analysis of medium rise RC Structure using Eurocode 2	<b>Dr Raudhah Ahmadi</b>
4.20-4.40	9	Calvin Watt Gawing	33701	Engineering properties of SeSludge lightweight aggregate under different aggressive conditions	<b>Prof Dr Md Abdul Mannan</b>
4.40-5.00	10	Nur Falihin Binti Ali	34027	Performance of elevated circular pond made with reinforced concrete	
5.00-5.20	11	Nazmi Aiuuddin Bin Johar	31554	Optimizing the Row Shear Model in predicting the bolted timber connection strength of Meraka wood	<b>Dr Abdul Razak Abdul Karim</b>
<b>SESSION ENDS</b>					



**THEME: BUILDING AND CONSTRUCTION MANAGEMENT**

MORNING SESSION

VENUE : TR5

<b>Time</b>	<b>No.</b>	<b>Presenter</b>	<b>Student ID</b>	<b>Project title</b>	<b>Supervisor</b>
9.00-9.20	1	Jefferson Yong Kiong Leong	30496	Value engineering for optimal micro hydro Green Energy Island	<b>Ir Dr Ting Sim Nee</b>
9.20-9.40	2	Abigil Yong Sze Ngie	29375	Value engineering for optimal micro hydro Green Energy Island	
9.40-10.00	3	Lai Soo Ching	30691	Study of the Rights & Responsibilities of Contracting Parties in Standard Form of Concrete - PAM 2006	
10.00-10.20	4	Stephenie Lau May Kei	33125	Study of the Rights & Responsibilities of Contracting Parties in Standard Form of Concrete - CIDB 2000	
10.20-10.40	5	Madonna Wong Siew Chien	30889	Study of the Rights & Responsibilities of Contracting Parties in Standard Form of Concrete - FIDC	
10.40-11.00	6	Fazlin Binti Mohamad Basri	30213	Study of Factors Affecting Safety Performance and Suggestion of Improvement in Construction Industry	<b>Rohaida Binti Affandi</b>
11.00-11.20	7	Chong Hui Liy	29898	Causes of Fall Hazards in Construction Site	
11.20-11.40	8	Nurainin Binti Mirhassan	32277	The Workmanship Quality Standard of Dahlia College Building	
<b>BREAK</b>					

**THEME: BUILDING AND CONSTRUCTION MANAGEMENT**  
**AFTERNOON SESSION**  
**VENUE: TR5**

<b>Time</b>	<b>No.</b>	<b>Presenter</b>	<b>Student ID</b>	<b>Project title</b>	<b>Supervisor</b>
2.00-2.20	1	Pamela Anak Peter Moni	32570	Air curtain for energy efficient building	<b>AP Dr Azhaili Baharun</b>
2.20-2.40	2	Donna Sikanok	30017	The effect of length and angle of overhang for thermal performances in building	
2.40-3.00	3	Mohd Fazreen Na'im bin Mat	31184	Effect of awning to the thermal performance and daylight level	
3.00-3.20	4	Zailizan bin Ngatdemon	28717	The effect of housing transformation towards the air movement inside modern house.	<b>Dr Siti Halipah Ibrahim</b>
3.20-3.40	5	Mohd Iskandar Baili	31114	The effect of evaporative cooling system on the roof towards the indoor environment .	
3.40-4.00	6	Wan Nadzmi bin Wan Mazehi	33412	Roofing design to optimise the rainwater harvesting system	
4.00-4.20	7	Aizzat Firdaus bin Ismail	29051	To study the effect of green roof system on the internal temperature of the building	
4.20-4.40	8	Hazmi Bin Sumadi	26408	The effect of housing transformation towards the heat transfer inside modern house.	
<b>SESSION ENDS</b>					

**THEME: WATER AND ENVIRONMENT****MORNING SESSION**

VENUE : TMM

9.00-9.20	1	Joycelyn Carolina Bunsuan	30547	Landfill Leachate Treatment and Electricity Generation in Single Chamber Microbial Fuel Cell	<b>Nor Azalina Rosli</b>
9.20-9.40	2	Siti Hajar Bt Mohd Sarkawi	32930	Reuse of Water Treatment Sludge in Developing Construction Materials	
9.40-10.00	3	Samuel Caesar Anak Grasié	32766	The Efficiency of Microbial Fuel Cell in Wastewater Treatment and Sludge Production	
10.00-10.20	4	Mildrate Nayah	30995	Opportunities for Solid Waste Re-Used in UNIMAS	
10.20-10.40	5	Simeon Wong Chin Jin	32883	Effect of Sediment Deposition Thickness on Incipient Motion in Rigid Rectangular Channel	<b>Dr Charles Bong Hin Joo</b>
10.40-11.00	6	Lim Jia Jun	30791	Effect of Channel Slope on Incipient Motion in Rigid Rectangular Channel	
11.00-11.20	7	Yong Teck Chzal	33548	Sediment Deposition Characteristics in Urban Open Concrete Drains (Residential Areas)	
11.20-11.40	8	Nelly Alicia Lah	31558	Sediment Deposition Characteristics in Urban Open Concrete Drains (Commercial Areas)	
11.40-12.00	9	Lai Kien Hung	30688	Sediment Deposition Characteristics in Urban Open Concrete Drains (Industrial Areas)	
<b>BREAK</b>					

**THEME: WATER AND ENVIRONMENT**

AFTERNOON SESSION

VENUE : TMM

<b>Time</b>	<b>No.</b>	<b>Presenter</b>	<b>Student ID</b>	<b>Project title</b>	<b>Supervisor</b>
2.00-2.20	1	Yee Shien Onn	33523	Removal of chloride in sludge	<b>Dr Leonard Lim Lik Pueh</b>
2.20-2.40	2	Ban Jia Yun	29726	River water treatment using photo catalysis	
2.40-3.00	3	Chong Peak Chian	29906	Identification and characterisation of landfill waste for recycling.	
3.00-3.20	4	Kee Chea Teik	30598	Leaching of inorganic from concrete containing untreated sludge	
3.20-3.40	5	Wong How King	33459	Modelling of Rainfall Harvesting (Commercial Area)	<b>Prof Ir Dr Law Puong Ling</b>
3.40-4.00	6	Evon Tang Ee Wen	30110	Modelling of Rainfall Harvesting (Residential Area)	
4.00-4.20	7	Mohd Adzim bin Friddy	31011	Modelling of water supply for high rise buildings (Kuching Paragon)	
<b>SESSION ENDS</b>					