

## CURRICULUM VITAE



### A. **PERSONAL DETAILS**

1. Name : Mohd Fadzil b Arshad
2. Date of Birth : 03-12-1974 Place:
3. Sex : Male
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Teknologi Mara, 40450 Shah Alam, Selangor, Malaysia
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### B. **NATIONAL LEVEL RESEARCH COMMITTEE**

	<b>Name of Research Committee</b>	<b>Hosting Secretariat</b>	<b>Year Involved</b>
1	<b>Committee of WG on Aggregates</b>	<b>SIRIM</b>	<b>2017</b>
2			
3			
4			

### C. **RESEARCH SUPERVISION**

#### MASTER

	<b>Students Name</b>	<b>Institutions</b>	<b>Year Enrolled</b>	<b>Year End</b>
1	Khairuniza Ahmad Anuar	UiTM	2010	2014
2	Mohd Afiq Mohd Fauzi	UiTM	2010	2014
3	Nurul Aini bt Salehuddin	UiTM	2010	2017

PHD

	<b>Students Name</b>	<b>Institutions</b>	<b>Year Enrolled</b>	<b>Year End</b>
1	Norhasri Sidek	UiTM	2011	2017

ON-GOING POSTGRADUATE

	<b>Students Name</b>	<b>Institutions</b>	<b>Year Enrolled</b>	<b>Year End</b>
1	Anuar Abdul Wahab	UiTM	2016	
2	Ahmad Fauzi Awang@Othman	UiTM	2015	
3	Ahmad Najmi Fakhrudeen Mat Azmi	UiTM	2014	
4	Mohd Za'im Mohd Nor	UiTM	2015	
5	Wan Muhammad Faris Wan Yusof	UiTM	2010	
6	Mohd Amsyar Haniff b Hashim	UiTM	2010	

On-Going PhD SUPERVISION

	<b>Students Name</b>	<b>Institutions</b>	<b>Year Enrolled</b>	<b>Year End</b>
1	Mohd Afiq Mohd Fauzi	UiTM	2016	
2	Nurshamimie Muhammad Fauzi	UiTM	2015	
3	Nor Hanim Khiyon	UiTM	2015	
4	Nurliyana Binti Ismail	UiTM	2013	
5	Ahmad Effendi b Mohd Nordin	UTHM	2013	

D. **RESEARCH FUNDINGS**

**NATIONAL LEVEL ACTIVE RESEARCH FUNDING (MOSTI/FRGS & Others) (Last Five Years)**

	<b>Research Project</b>	<b>Source</b>	<b>Total Funds</b>	<b>Begin Year</b>	<b>End Year</b>
1	Particle Bonding Theory of Liquid Sludge through Electrostatic Interaction by Waste Paper Sludge Ash (WPSA)	FRGS	RM98,000.00	2016	2018
2	High Calcium Waste Paper Sludge Ash (WPSA) and High Silica Fume (SF) Hybrid Geopolymerization Theory	FRGS	RM96,200.00	2015	2017
3	Crystallization Characteristic Formation Theory through Stabilized/Solidified Mineral Sludge	FRGS	RM120,800.00	2014	2017
4	Cementitious Synergicity of Green Industrial Waste Derived Binder PART 2	PSI	RM60, 000	2013	2015
5	Behaviour of Composite Wall Openings using Woodwool Cement Board Subjected to Axial and Lateral Loading	PSI	RM60, 000	2013	2015
6	Cementitious Synergicity of Green Industrial Waste Derived Binder.	RAGS	RM80,000	2012	2014
7	Nanoparticlelization Characteristic of Stabilized Soft Soil.	RAGS	RM 80 000	2012	2014
8	High Calcium Waste Paper Sludge Ash	FRGS	RM 75,300	2011	2013

	(WPSA) Geopolymerization Theory				
9	The Utilization of Construction Waste Material to Produce Concrete without using Portland Cement as A New Green Material	RMI-UITM	RM 8000	2010	2012
10	Determination of Marine Sediment Characteristic as A Potential Brick Material	FRGS	RM 50000	2010	2012
11	Development of Coconut Fibre with Addition of Fly Ash for Cement Panel Application in Construction	Sciencefund	RM 114000	2009	2011

**INDUSTRIAL RESEARCH FUNDING INCLUDING CONTRACT RESEARCH (Last Five Years)**

	<b>Research Project</b>	<b>Source</b>	<b>Total Funds</b>	<b>Begin Year</b>	<b>End Year</b>
1	Enhancing the Kenaf Productivity through Product	LKTN	500,000	2016	2017
2	Lightweight Concrete as A New Solution	PPRN	50000	2016	2016

**INTERNATIONAL RESEARCH FUNDING INCLUDING CONTRACT RESEARCH (Last Five Years)**

	<b>Research Project</b>	<b>Source</b>	<b>Total Funds</b>	<b>Begin Year</b>	<b>End Year</b>
1					
2					
3					

### Dana Kecemerlangan UiTM (Last Five Years)

	Research Project	Total Funds	Begin Year	End Year
1	Clay Soil Stabilization using Waste Paper Sludge Ash (WPSA)	RM 32 000	2012	2014
2	Development of Cement Bottom Ash Brick (CBAB) as Replacement of Fine Aggregate	RM 32 000	2012	2014
3	The Potential of Activated Agricultural Calcium Carbonate as Green Cement	RM 7000	2011	2013
4	The Influence of WPSA Fineness to the Cemetitious Properties of Blended Cement Incorporating WPSA as SCM	RM 9000	2011	2013
5	Utilization of Oil Palm Frond as Matting Fiber Reinforced System in Developing Cement Board Panelling System	RM8000	2011	2013
6	The Utilization of Construction Waste Material to Produce Concrete without Cement as New Green Materials	RM8000	2010	2012

### E. PUBLICATIONS

#### PUBLICATIONS FOR 2016

- [1] Azmi, A. N., Fauzi, M. A., Nor, M. D., Ridzuan, A. R. M., & **Arshad, M. F.** (2016). *Production of Controlled Low Strength Material Utilizing Waste Paper Sludge Ash and Recycled Aggregate Concrete; Production of Controlled Low Strength Material Utilizing Waste Paper Sludge Ash and Recycled Aggregate Concrete*. MATEC Web of Conferences. <http://doi.org/10.1051/matecconf/20164701011>
- [2] Halim, A. A. G., Shaharin, H., Aini, N.S., & **Fadzil, M. A.** (2016). *Effect of Adding Cement to the Mechanical Properties of Red Gypsum Particleboard made of Kelempayan Wood*. Proceedings of the International Civil and Infrastructure Engineering Conference (InCIEC), pp. 797 - 805. [http://doi.org/10.1007/978-981-10-0155-0\\_67](http://doi.org/10.1007/978-981-10-0155-0_67)
- [3] Hata, R. M., Hassan, R., Idayu, H., & **Arshad, F.** (2016). *The Thermal Conductivity of Selected Timber Species using Hot Box Method*, Jurnal Teknologi, 78(5), pp. 7 - 12.
- [4] Jamaluddin, N., Hamzah, A. F., Wan Ibrahim, M. H., Jaya, R. P., **Arshad, M. F.**, Zainal Abidin, N. E., & Dahalan, N. H. (2016). *Fresh Properties and Flexural Strength of Self-Compacting*

*Concrete Integrating Coal Bottom Ash*. MATEC Web of Conferences. <http://doi.org/10.1051/mateconf/20164701010>

- [5] Nurliyana, I., **Fadzil, M. A.**, Saman, H. M., & Choong, W. K. (2016). *Waste Paper Sludge Ash (WPSA) as Binder in Solidifying Water Treatment Plant Sludge (WTPS)*. Proceedings of the International Civil and Infrastructure Engineering Conference (InCIEC), pp. 497 – 504. [http://doi.org/10.1007/978-981-10-0155-0\\_43](http://doi.org/10.1007/978-981-10-0155-0_43)
- [6] Nurliyana, I., **Fadzil, M. A.**, Saman, H. M., Hanim, N. K., & Choong, W. K. (2016). *Solidification of Water Treatment Sludge (WTS) by Calcium Carbonate Powder (CCP)*, Jurnal Teknologi, 78(5), pp. 39 – 42.

### **PUBLICATIONS FOR 2015**

- [7] Halim, A. G. A., **Arshad, F.**, Salehuddin, N. A., & Ruslan, A. R. M. (2015). *Hydration Kinetics and Strength Development of WPSA with Different Particle Size as Binary Blended Cement*. Applied Mechanics and Materials, 754 – 755, pp. 328 – 388.
- [8] Khalid, N., **Arshad, M. F.**, Mukri, M., Mohamad, K., & Kamarudin, F. (2015). *Influence of nano-soil particles in soft soil stabilization*. Electronic Journal of Geotechnical Engineering, 20, pp. 731 – 738.
- [9] Mohamad, M., **Arshad, F.**, Amalina, N., & Hamid, A. (2015). *Strength of Various Densities of Lightweight Coir Fiber Concrete Containing Protein and Synthetic Foam*. Proceedings of the International Civil and Infrastructure Engineering Conference (InCIEC), pp. 87 – 95. [http://doi.org/10.1007/978-981-287-290-6\\_8](http://doi.org/10.1007/978-981-287-290-6_8)
- [10] Muid Norhasri, M. S., Hamidah, M. S., **Mohd Fadzil, A.**, & Mohd Faizal, M. J (2015). *Characteristic and Strength Properties of Nano Metaclayed UHPC*. Proceedings of the International Civil and Infrastructure Engineering Conference (InCIEC), pp. 689 – 697. [http://doi.org/10.1007/978-981-10-0155-0\\_58](http://doi.org/10.1007/978-981-10-0155-0_58)
- [11] Raihana, M. H., Hassan, R., & **Fadzil, M. A.** (2015). *Evaluation on the thermal performance of selected tropical timber species*. Proceedings of the International Civil and Infrastructure Engineering Conference (InCIEC), pp. 713 – 723. [http://doi.org/10.1007/978-981-10-0155-0\\_60](http://doi.org/10.1007/978-981-10-0155-0_60)
- [12] Ridzuan, A. R. M., Abdullah, M. M. A. B., **Arshad, M. F.**, Faheem, M. M. T., Anuar, K. A. (2015). *The Effect of NaOH Concentration and Curing Condition to the Strength and Shrinkage Performance of Recycled Geopolymer*

- Concrete. Materials Science Forum, 803, pp. 194 – 200. <http://doi.org/10.4028/www.scientific.net/MSF.803.194>
- [13] Ridzuan, A. R. M., Khairulniza, A. A., & **Arshad, M. F.** (2015). *Effect of Sodium Silicate Types on the High Calcium Geopolymer Concrete*, Materials Science Forum, 803, pp. 185 – 193. <http://doi.org/10.4028/www.scientific.net/MSF>
- [14] Ridzuan, A. R. M., Khairulniza, A. A., **Fadzil, M. A.**, & Nurliza, J. (2015). *Effect of Alkaline Activators concentration to the Strength and Morphological properties of Wastepaper-based geopolymer mortars*. Materials Science Forum, 803, pp. 88 – 92. <http://doi.org/10.4028/www.scientific.net/MSF.803.88>
- [15] Wan Ibrahim, M. H., Hamzah, A. F., Jamaluddin, N., Ramadhansyah, P. J. & **Fadzil, A. M.** (2015). *Split Tensile Strength on Self-Compacting Concrete Containing Coal Bottom Ash*. Procedia - Social and Behavioral Sciences, 195, pp. 2280–2289. <http://doi.org/10.1016/j.sbspro.2015.06.317>
- [16] Wan Salim, W. S., Mohd Noor, N. A., Sadikon, S. F., **Arshad, M. F.**, Wahid, N., Mohd Salleh, S., (2015). *Determination of Dredged Marine Sediment Characteristics as a Potential Brick Material*. Proceedings of International Conference on Advance in Civil and Environmental Engineering (ACEE) on 28 – 30 July.
- [17] Zulkarnain, M., **Fadzil, M. A.**, Bakar, H. A., Mariatti, M., & Azid, I. (2015). *Development of Particle Dispersion Technique for Hybrid Size Conductivity Model*. Asia Pacific Journal of Chemical Engineering. <http://doi.org/10.1002/apj.1950>
- [18] Zulkifli, A. R., Rahim, A., Hamid, A., **Arshad, M. F.**, & Ahmad, J. (2015). *Construction of Roller Compacted Concrete Dam in Malaysia: Batu Hampar Dam*. Proceedings of the International Civil and Infrastructure Engineering Conference (InCIEC), pp. 727 – 739. [http://doi.org/10.1007/978-981-287-290-6\\_63](http://doi.org/10.1007/978-981-287-290-6_63)

#### **PUBLICATIONS FOR 2014**

- [19] Afiz, M. M. A., Ridzuan, A. R. M., **Fadzil, M. A.**, & Nurliza, J. (2014). *Chemical Characterization of Used Cooking Oil Foaming Agent as Admixture in Foamed Concrete*. Proceedings of the International Civil and Infrastructure Engineering Conference (InCIEC), pp. 191 – 200. [http://doi.org/10.1007/978-981-4585-02-6\\_17](http://doi.org/10.1007/978-981-4585-02-6_17)
- [20] Ahmad, Z., **Arshad, F.**, & Azrae, A. (2014). *Partial Replacement of Glass Fiber with Kenaf Waste in Cement Board Production*, Proceedings of the International Civil and

Infrastructure Engineering Conference (InCIEC).  
[http://doi.org/10.1007/978-981-287-290-6\\_64](http://doi.org/10.1007/978-981-287-290-6_64)

- [21] Ismail, N., **Arshad, F.**, Saman, H. M., & Zin, M. M., (2014). *Palm Oil Fuel Ash and Ceramic Sludge as Partial Cement Replacement Materials in Cement Paste*. Proceedings of the International Civil and Infrastructure Engineering Conference (InCIEC), pp. 1087 – 1092. [http://doi.org/10.1007/978-981-287-290-6\\_96](http://doi.org/10.1007/978-981-287-290-6_96)
- [22] Khalid, N., **Arshad, M. F.**, Mukri, M., Kamarudin, F., & Ghani, A. H. A. (2014). *The California bearing ratio (CBR) value for banting soft soil subgrade stabilized using lime-pofa mixtures*. Electronic Journal of Geotechnical Engineering. 19, pp. 155 – 163.
- [23] Khalid, N., **Arshad, M. F.**, Mukri, M., Mohamad, K., & Kamarudin, F. (2014). *The properties of Nano-kaolin mixed with kaolin*. Electronic Journal of Geotechnical Engineering. 19, pp. 4247 – 4255.
- [24] Khalid, N., Mukri, M., Kamarudin, F., Halim, A. A. G., **Fadzil, M. A.**, Sidek, N., Zulfaris, A. A. J., Bilong, B. (2014). *Effect of Nanoclay in Soft Soil Stabilization*. Proceedings of the International Civil and Infrastructure Engineering Conference (InCIEC), pp. 905 – 914 [http://doi.org/10.1007/978-981-287-290-6\\_79](http://doi.org/10.1007/978-981-287-290-6_79)
- [25] Muhd Norhasri, M. S., Amidah, M. S., Abd Halim, A. G., & **Mohd Fadzil, A.** (2014). *Sol Gel Characterization of Nano Kaolin*. Advanced Materials Research, 856, pp. 285 – 289.
- [26] Muhd Norhasri, M. S., Hamidah, M. S., **Mohd Fadzil, A.**, Abd Halim, A. G., & Zaidi, M. R. (2014). *Fresh State Behaviour of Cement Paste containing Nano Kaolin*, Advanced Materials Research, 925, pp. 28 – 32. <http://doi.org/10.4028/www.scientific.net/AMR.925.28>
- [27] Norazlan, K., Mukri, M., Kamarudin, F., Halim, A. A. G., **Fadzil, M. A.** & Fauzi, B. (2014). *Soft Soil Subgrade Stabilisation using Waste Paper Sludge Ash (WPSA) Mixtures*, Proceedings of the International Civil and Infrastructure Engineering Conference (InCIEC), pp. 439 – 446. [http://doi.org/10.1007/978-981-287-290-6\\_38](http://doi.org/10.1007/978-981-287-290-6_38)
- [28] Norhasri, M. S., Hamidah, M. S., & **Fadzil, M. A.** (2014). *Morphology and Strength of Cement Paste from Clay as Nano material*, Applied Mechanics and Materials, 490 – 492, pp. 19 – 24. <http://doi.org/10.4028/www.scientific.net/AMM.490-491.19>



### **PUBLICATIONS FOR 2013**

- [29] Ramadhansyah P.J, Salwa M.Z.M, Abu Bakar B.H, Che Norazman C.W, **Mohd Fadzil A**, Wan Ibrahim M.H. (2013). *Investigation of RHA Blended Cement Concrete under Seawater Attack with Wetting and Drying Cyclic by Rapid Migration Test*. International Conference on Environmental Science and Development (ICESD 2013), APCBEES Procedia, (ISSN 2212-6708) **{Indexed by ELSEVIER in SCIENCEDIRECT}**
- [30] Ridzuan A.R.M, Khairulniza A.A, **Fadhil M.A**, (2013). *The Evaluation of High Calcium Green Polymeric Concrete*. Advanced Materials Research Vol 626 (2013) pp776-780(DOI: 10.4028/www.scientific.net/AMR.701.270) **{Indexed by SCOPUS}**
- [31] N.S. Aini, M.H.M. Amsyar Haniff, **M.A. Fadzil**, M.R. Ahmad Ruslan, A.G. Abdul Halim, (2013). *Effect of WPSA Particle Size to the Morphology and Compressive Strength Properties of Hydrated Cement Paste Contain WPSA as SCM*. 2013 IEEE Business Engineering and Industrial Applications Colloquium (BEIAC), pp 297-301, 7-9 April 2013, Langkawi, Malaysia.
- [32] Hafiz M.M.A, Ridzuan A.R.M, Faiza A.M, **Fadzil M.A**, Nurliza J. (2013). *Morphology of Formulated Used Cooking Oil Foam (FUSCOF) Created for Lightweight greencrete*. Advanced Materials Research Vol. 701 (2013) pp 270-274 (DOI: 10.4028/www.scientific.net/AMR.701.270) **{Indexed by SCOPUS}**
- [33] Ridzuan A.R.M, Khairulniza A.A, **Fadzil M.A**, Nurliza J. (2013). *Morphology and Physical Analysis of Waste Paper Sludge Ash (WPSA) Polymeric Mortar*. 2013 3rd International Conference on Key Engineering Materials (ICKEM 2013), March 8-9, 2013, Kota Kinabalu, Malaysia.
- [34] Hisbany, M. H. M., Rahman, A. S. M., Hussin, M. W., **Fadzil, M. A.** (2013.). *Structural Performance and Ductility of Fiber Reinforced Polymer Concrete Bonding System Under Tropical Climates*, Jurnal Teknologi, 61(3), pp. 21 – 29.
- [35] Khalid, N., Mukri, M., Kamarudin, F., Sidek, N., & **Arshad, M. F.** (2013). *Strength of Soft Soil Stabilized Using Lime-POFA Mixtures*. Proceedings of the International Civil and Infrastructure Engineering Conference (InCIEC), pp. 501 – 510. [http://doi.org/10.1007/978-981-4585-02-6\\_43](http://doi.org/10.1007/978-981-4585-02-6_43)
- [36] Khalid, N., Mukri, M., Kamarudin, F., Sidek, N., & **Arshad, M. F.** (2013). *Experimental studies on fibrous peat stabilized using*

waste paper sludge ash. *Electronic Journal of Geotechnical Engineering*, 13, pp. 1613 – 1621.

- [37] Khalid, N., Mukri, M., Kamarudin, F., Sidek, N., **Arshad, M. F.**, & Rahman, A. R. A. (2013). *The SRS-A Polymer Stabilizer Stabilized Clay Soil*, Proceeding the 6th Engineering Conference in Asia Region: Embracing the Future through Sustainability.
- [38] Khalid, N., Sidek, N., & **Fadzil, M. A.** (2013). *The California Bearing Ratio (CBR) of Road Sub-BASE Aggregate Mixed with Bottom Ash*, *Malaysian Journal of Civil Engineering*, 25(1), pp. 112–121.
- [39] **Mohd Fadzil, A.**, Muhd Norhasri, M. S., Hamidah, M. S., Zaidi, M. R., & Mohd Faizal, J. (2013). *Alteration of Nano Metakaolin for Ultra High Performance Concrete*. Proceedings of the International Civil and Infrastructure Engineering Conference (InCIEC), pp. 887 – 894. <http://doi.org/10.1007/978-981-4585-02>

#### **PUBLICATIONS FOR 2012**

- [40] Aini. N.S, **Fadzil. M.A**, Ridzuan. A.R.M, Halim. A.A.G, and Amsyar. M.H.H, *Effect of WPSA Particle Size on the Compressive Strength of WPSA Blended Cement*, The 11<sup>th</sup> International Conference On Concrete Engineering and Technologies (CONCET 2012), pp 206-211, 12-13 June 2012, Putrajaya, Malaysia. (ISBN 978-967-0380-12-4).
- [41] N.S. Aini, **M.A. Fadzil.** A.R.M. Ridzuan, A.A.G. Halim, M.H.M.H. Amsyar (2012). *Effect of WPSA Particle Size on the Setting Time of WPSA Blended Cement*. Proceeding of National Postgraduate Seminar 2012, 16-18 July 2012, UiTM Shah Alam, Selangor.
- [42] Farah Alwani W.C, **Fadzil A**, Hamidah M.S (2012). *Properties Characterisation of Marine Sediment As Materials In A Production Of Brick*. Proceeding of National Postgraduate Seminar 2012, 16-18 July 2012, UiTM Shah Alam, Selangor
- [43] Khairulniza A.A., Ridzuan A.R.M, **Fadzil M.A.** (2012). *The Effect of Alkaline Activators Molarity to the Strength and Shrinkage Performance of Recycled Geopolymer Concrete*. Proceeding of National Postgraduate Seminar 2012, 16-18 July 2012, UiTM Shah Alam, Selangor
- [44] Norazlan Khalid, Norbaya Sidek, Mazidah Mukri, Faizah Kamarudin and **Mohd Fadzil Arshad** (2012). *The Potential Of coal Bottom Ash As Additives In Road Sub-Base Aggregate*. The 8<sup>th</sup> Asia Pasific Structural Engineering and Construction

Conference (APSEC 2012) and 1<sup>st</sup> International Conference on Civil Engineering Research (ICCER 2012), 2-4 October 2012, Surabaya Indonesia.

- [45] **Mohd Fadzil Arshad**, Mohd Hisbahy Mohd Hashim, Ahmad Ruslan Mohd Ridzwan, Mohd Haziman and Norazlan Khalid (2012). *The Potential Of Recycle Fine Cement Brick Aggregate (RFCBA) As Fine Aggregate In Concrete*. The 8<sup>th</sup> Asia Pasific Structural Engineering and Construction Conference (APSEC 2012) and 1<sup>st</sup> International Conference on Civil Engineering Research (ICCER 2012), 2-4 October 2012, Surabaya Indonesia.
- [46] Norazlan Khalid, Mazidah Mukri, Faizah Kamarudin and **Mohd Fadzil Arshad** (2012). *Clay Soil Stabilized Using Waste Paper Sludge Ash (WPSA) Mixtures*. Vol. 17 Bund. I pp1215-1225, Electronic Journal of Geotechnical Engineering (ISSN 1089-3032) **{Indexed by SCOPUS}**
- [47] Norazlan Khalid, Norbaya Sidek, Mazidah Mukri, Faizah Kamarudin and **Mohd Fadzil Arshad**, and Shaharin Hamid (2012). *The laboratory Studies On California Bearing Ratio (CBR) Value For Clay Soil Stabilized With Waste Paper Sludge Ash (WPSA)*. The 11<sup>th</sup> International Conference On Concrete Engineering and Technologies (CONCET 2012), pp421-427, 12-13 June 2012, Putrajaya, Malaysia. (ISBN 978-967-0380-12-4).
- [48] M.H. Mohd Hashim, **M.F Mohd Arshad**, A.R Mohd Sam, M.W Hussin (2012). *Structural Performance Analysis of Fiber Reinforced Polymer-Concrete Bonding System Under Tropical Climates*. The 8<sup>th</sup> Asia Pasific Structural Engineering and Construction Conference (APSEC 2012) and 1<sup>st</sup> International Conference on Civil Engineering Research (ICCER 2012), 2-4 October 2012, Surabaya Indonesia.
- [49] N.S Aini, **M.A Fadzil**, A.R.M Ridzuan, A.A.G Halim, M.H.M.H Amsyar (2012). *Effect of WPSA particle size to the heat of hydration of WPSA blended cement*. Malaysian Science and Technology Congress 2012 (MSTC 2012), 19-21 November 2012.
- [50] Khairulniza Ahmad Anuar, **Mohd Fadzil Arshad**, Nurliza Jasmi. (2012). *Morphology and Element Diffraction analysis on polymerization of Waste Paper Sludge Ash (WPSA) geopolymer mortar* Malaysian Science and Technology Congress 2012 (MSTC 2012), 19-21 November 2012.
- [51] Mohd Hafiz Md Ali, Faiza M. A., **Mohd Fadzil Arshad**, Nurliza Jasmi (2012). *Stability and Morphology of Formulated Used Cooking Oil Foam (FUSCOF)*. Malaysian Science and

Technology Congress 2012 (MSTC 2012), 19-21 November 2012.

- [52] Wan Ibrahim M.H, Abu Bakar B.H, Megat Johari M.A, Ramadhansyah P.J, **MohdFadzil A.**, *Influence of Sulfate and Chloride on The Mechanical Properties of Fired Clay Masonry Wall*, International Journal of Integrated Engineering, Vol. 4 No. 2 (2012) pp. 29-38.
- [53] Khairulniza A.A, Ridzuan A.R.M, **Fadzil M.A.** (2012). *The Evaluation of High Calcium Green Polymeric Concrete*. International Conference Advance Materials Engineering and Technology (ICAMET 2012), November, 2013, Batu Feringhi, Pulau Pinang, Malaysia.

### **PUBLICATIONS FOR 2011**

- [54] **Fadzil M.A.**, M.N.Mazlee, J.B Shamsul, H.Kamarudin, Sharifuddin S.M., Fuad F.M.M.D, *Effect of coir fiber length to Engineering Properties of coir fiber reinforced concrete*, ASM Science Journal (Under review)(2011)
- [55] Ahmad Ruslan Mohd Ridzuan, Mohd Azrizal Fauzi, Ezliana Ghazali, **Mohd Fadzil Arshad**, Mohd Afiq Mohd Fauzi (2011) *Strength Assessment of Controlled Low Strength Materials (CLSM) Utilizing Recycled Concrete Aggregate and Waste Paper Sludge Ash*. Proceeding of IEEE Colloquium on Humanities, Science and Engineering Research (CHUSER 2011), 5-6 December 2011, Penang, Malaysia. (IEEE Explore)
- [56] Norazlan K., Norbaya S., **Mohd Fadzil A.** and Shaharin H. (2011). *Stabilization of Clay Soil Using Waste Paper Sludge Ash (WPSA) Mixture*. The 29<sup>th</sup> Conference on Asian Federation of Engineering Organizations (CAFEO 29). 28-30 November 2011, Brunei Darussalam.
- [57] Norazlan K., Norbaya S., **Mohd Fadzil A.** and Shaharin H. (2011). *Strength of Peat soil Stabilized With Waste Paper Sludge Ash (WPSA)*. The 3<sup>rd</sup> Regional Symposium on Engineering and Technology 2011, RSET 2011). pp40-47, 21-23 November 2011 Kuching, Sarawak, Malaysia. (ISBN 978-967-5995-06-4)
- [58] **Mohd Fadzil A.**, Mohd Hisbany M.H, Mazlina M, and Norazlan K. (2011). *The Workability Properties Of Concrete Containing Recycle Fine Aggregate from Waste Cement Brick*. The 3<sup>rd</sup> Regional Symposium on Engineering and Technology 2011, RSET 2011). pp252-260, 21-23 November 2011 Kuching, Sarawak, Malaysia. (ISBN 978-967-5995-06-4)

- [59] Norazlan K., Norbayah S., **Mohd Fadzil A.** (2011). *Utilization of Bottom Ash (BA) Use In Road Base*. International Building And Infrastructure Technology Conference 2011 (BITECH 2011). pp214-221, 7-9 Jun 2011, Pulau Pinang, Malaysia. (ISBN 978-967-394-029-5)

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- [60] **Fadzil. M.A**, Shaharin. H, Halim. A.A.G, Aini. N.S and Amsyar. M.H.H, *The Influence of Waste Paper Sludge Ash (WPSA) As Supplementary Cementitious Material (SCM) to the Engineering Properties of Concrete*, Simposium Kebangsaan Sains Matematik Ke-18, UTHM Johor.
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