Table of Contents

Pretace	
Performance of CPHMA Incorporating Vegetable Oil as Asbuton Solution L. Djakfar, Wisnumurti and L. Khamelda	1
Effect of Spent Garnet Waste as Partial Fine Aggregate Replacement on Properties of High Strength Lightweight Aggregate Concrete K. Muthusamy, N.F.A. Jamaludin, A.Z. Zainuddin, M.F. Md Jaafar and K. Mehmet Serkan	17
Performance of Composite Slabs Using Profiled Steel Decking Reinforced with Cold- Formed C-Channel Steel	
M.A. Zubir, F.M. Yahaya and A. Alias	25
Effect of Area Loading on Flexural Performance of Bubble Deck Slab N.A.M. Khairussaleh, N.K. Hoe and G.A.R. Parke	41
Mechanical Properties of Stone Mastic Asphalt Incorporating Nano Titanium Modified Asphalt Binder	5.5
M.S.H. Norbi, K.A. Masri, S.M.Z. Nur Syafiqah and R. Putra Jaya	55
Mechanical Properties of Pervious Concrete Containing East Borneo Local Aggregate Y. Pranoto, N.F. Hashim and Tumingan	67
Influence of Fly Ash Dosage and Desert Sand Replacement Ratio (DSRR) on the Carbonation Resistance of Concrete R.G. Tao, Q. Zhang, H.F. Liu, H.J. Ma and S.I. Doh	77
The Effect of Water to Cement Ratio on the Fresh and Hardened Mortar Containing Steel Slag as Cement Replacement Material	0.2
X.F. Li, S.I. Doh, C.M. Ho, S.C. Chin and G.Q. Jing	93
Comparison of Recycled Waste Amount for Construction and Demolition (C&D) Waste between Two Apartment Projects K. Nadarason, S. Nagapan, S. Kaliannan, N. Arumugan, S. Sohu and N. Al-Emad	103
Compressive Strength of Lightweight Aggregate Concrete Containing Crushed Cockle Shell	103
as Partial Sand Replacement S.M.S. Mohsin, H.N. Ruslan, K. Muthusamy and N.F. Ariffin	111
Effect of Coal Bottom Ash as Partial Sand Replacement for Lightweight Aggregate	
Concrete N. Ghazali, K. Muthusamy, N.A. Abdullah, M.I. Muhamad Asri and N.F.A. Jamaludin	119
The Determinants Factors for Solar Photovoltaic Implementation in Existing Building N.I. Abidin, E. Aminudin, F. Ahmad and S.S.B.A. Obaid	127
Image Analysis and Mechanical Properties of Asphalt Mixture with Waste Plastic N.C. Ming, N.L.S. Ing, R. Putra Jaya, Z.H. Al-Saffar, M.N.M. Warid and H. Yaacob	135
Performance of Asphaltic Concrete Incorporating Fly Ash under Low Temperature	
N.C. Ming, N.L.S. Ing, K.A. Masri, R. Putra Jaya, Z.H. Al-Saffar, M.N.M. Warid and N.A. Hassan	153
The Influence of Cowper-Symonds Coefficients on the Response of Stiffened Steel Plates	
Subjected to Close-In Blast Loads N.S. Abdul Razak, A. Alias, N.M. Mohsan and S.A. Masjuki	171
The Influence of Coal Bottom Ash as Filler in Asphalt Mixture N.L.S. Ing, N.C. Ming, M. Hasan, R. Putra Jaya, E. Shaffie, N. Mashros and A.A. Mohamed	185
Numerical Study on the Effect of Different Steel Reinforcement Arrangement in Reinforced Concrete Wall Subjected to Blast Load	100
M.A. Seman, S.M.S. Mohsin, A.M.A. Zaidi and Z.M. Jaini	199
The Effect of Area Loading and Punching Shear on the Reinforced Concrete Slab Containing Spherical Plastic Bubble Balls N.A. Muhammad Khairussaleh, N.K. Hoe, R. Omar and G.A.R. Parke	211
Influences of Waste Inclusion on Impact and Crushing Force Resistance of Track Ballast	411
Y. Duraisamy, K.M. Jeevithan, O. Rokiah and S. Mohd Arif	225