

JURNAL KEJURUTERAAN

Special Issue 3(1), 2020

ISSN 0128-0198

Physical Properties of Cathode Ray Tube (CRT) Used as Aggregate for Road Pavement Application <i>Ahmad Yusri Mohamad, Nur Izzi Md. Yusoff, Mohd Raihan Taha & Maslina Jamil</i>	1
X-ray Sources Population in NGC 1559 <i>Nurnabilah Nazri & Adlyka Annuar</i>	7
Variation of Electron Density before Large Earthquakes in Southeast Asia Observed by CHAMP Satellite from 2004 to 2009 <i>N A Mohamad Rizal, S H Md Yusoff*, Nurul Shazana Abdul Hamid & Idahwati Sarudin</i>	15
Investigating the Impact of Growth Temperature on WS ₂ Thin Film <i>Md Khan Sobayel Bin Rafiq, Afida Ayob, Badariah Bais, Md Akhtaruzzaman & Nowshad Amin</i>	23
STEM Outreach Program of Smart Control Helicopter Competition in Malaysia: A Descriptive Analysis <i>Sabirin Abdullah, Roslinda Rosli, Gan Kok Beng, Mardina Abdullah, Lilia Halim & Norisza Dalila Ismail</i>	29
Normalized Polarization Ratio Analysis for ULF Precursor Detection of the 2009 M7.6 Sumatra and 2015 M6.8 Honshu Earthquakes <i>Khairul Adib Yusof, Mardina Abdullah, Nurul Shazana Abdul Hamid, Suaidi Ahadi & Akimasa Yoshikawa</i>	35
Astronomy Outreach Programs with STEM Ambassadors under the C3AOL Project <i>Siti Nur Razira Razali, Muhammad Ezzat Abdul Hamid, Nurul Shazana Abdul Hamid, Marlia Puteh, Wan Mohd Aimran Wan Mohd Kamil, Zalita Zainuddin, Rozidawati Awang, Mohammad Afiq Dzuan Mohd Azhar, Mohd Zamri Shah Mastor, Nurhasmiza Abu Hasan Sazalli, Othman Zainon, Nilam Nur Amir Sjarif, Mohd Shahir Shamsir Omar, Effie Lai-Chong Law & Nigel Bannister</i>	43
Fibre Insert Mould for Injection Moulding <i>Norjamalullail Tamria, Rozli Zulkifli, Che Husna Azhari & Albert Uchenna Ude</i>	51
Development of Floor Mapping Mobile Robot Algorithm Using Enhanced Artificial Neuro-Based SLAM (ANBS) <i>Khairul Anuar Juhari, Rizauddin Ramli, Sallehuddin Mohamed Haris, Zunaidi Ibrahim & Abdullah Zawawi Mohamed</i>	59
Posture Evaluation of the Automotive Maintenance Workers: A Case Study <i>Shukriah Abdullah, Nor Kamaliana Khamis, Jaharah A. Ghani & Rudi Kurniawan</i>	65
Willingness to Purchase Safer Vehicles: A Study Base on Malaysia B40 Income Group <i>Mohd Radzi Abu Mansor, Khairil Anwar Abu Kassim & Zulhaidi Mohd Jawi</i>	71

Road User's Perceptions towards Motorcycle Safety with Regards to Conspicuity in Malaysia Road Traffic <i>Muhamad Syukri Abdul Khalid, Nor Kamaliana Khamis, Mohd Radzi Abu Mansor, Mohd Hafzi Md Isa & Zulhaid Mohd Jawi</i>	75
Turn Signal Use among Motorcyclists in Klang Valley, Malaysia: A Case Study <i>Aqbal Hafeez Ariffin, Azhar Hamzah, Mohd Syazwan Solah, Noorfaradila Paiman, Muhammad Syukri Abdul Khalid, Noradrenalina Isah, Khairil Anwar Abu Kassim, Siti Zaharah Ishak, Hisashi Imanaga & Hajime Ishida</i>	83
Motorcycle Positioning in Queues at Signalized Intersections in City of Klang Valley <i>Noor Faradila Paiman, Azhar Hamzah, Mohd Syazwan Solah, Aqbal Hafeez Ariffin, Muhamad Syukri Abdul Khalid, Khairil Anwar Abu Kassim & Siti Zaharah Ishak, Hisashi Imanaga & Hajime Ishida</i>	89
Airflow Simulation and Measurement of Brake Wear Particle Emissions with a Novel Test Rig <i>A.B. Sanuddin, S. Kosarieh, C.A. Gilkeson, P.C. Brooks & D.C. Barton</i>	95
Partial Least Square Structural Equation Modeling in the Final Phase of Product and Instrument Development Using Universal Design and Agile Development Model <i>Rossen Din</i>	103