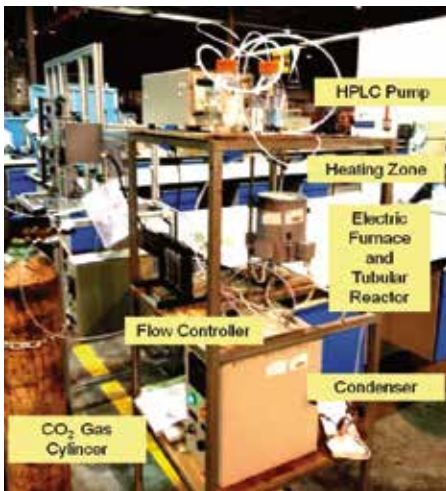


UMP MASTER'S STUDENT WON COMPETITION ON RESEARCH PAPER



She won a travel grant of RM3,000 to attend the prestigious 9th World Congress of Chemical Engineering to be held from August 18-23 at Seoul, Korea



By: DR. JOLIUS GIMBUN

Faculty of Chemical and Natural Resources Engineering (FKKSA) master's student Lee Hua Chyn was announced as the winner of a Research Paper Competition organised by the Institution of Engineers Malaysia (IEM)'s Chemical Engineering Technical Division (CETD).

She won a travel grant of RM3,000 to attend the prestigious 9th World Congress of Chemical Engineering to be held from August 18-23 at Seoul, Korea.

CETD Chairman, Professor Ir. Dr. Dominic C. Y. Foo presented the prize to Lee, who is jointly-supervised by Drs. Cheng Chin Kui and Dr. Jolius Gim bun.

Lee's paper, 'Bio-Syngas Production From Glycerol Dry Reforming Over Cement Clinker-Supported Nickel Catalyst' was about application of cement clinker-supported nickel catalyst for glycerol dry reforming to produce bio-syngas (H₂

and CO).

From her work, Lee discovered that carbon deposition during glycerol reforming was minimised owing to the natural presence of calcium oxide (CaO) in the cement clinker. In addition, syngas suitable for Fischer-Tropsch synthesis could be obtained.

Her project was funded by MTUN-CoE grant (RDU121216) and Science Fund (RDU130501), in collaboration with Assoc. Prof. Dr. Suzana Yusup from the Mission-Oriented Research, Green Technology at Universiti Teknologi Petronas and Dr. Loh Soh Kheang from the Malaysian Palm Oil Board (MPOB).

"Three UMP research papers were shortlisted for the oral presentation held at the Ingenieur IEM Building currently. The shortlisted research papers were evaluated from the aspects of writing (technical paper), novelty and innovation," said Dr. Jolius.

The finalists were Lee's work, Siew Kah Weng's

'Glycerol Dry Reforming Over La-Ni/Al₂O₃ Catalyst,' and 'Microwave Extraction of Phenolic Acid And Flavonoids From Orthosiphon Stamineus,' by Pang Sook Fun.

The second place for the competition went to Ng Tong Lip, a PhD student from University of Nottingham, Malaysian campus with a paper titled 'A Disjunction Modeling Approach For Synthesis And Optimisation Of Industrial Symbiosis in Palm Oil Industry'.

