



Universiti Malaysia Pahang

University Ranking Newsletter

6 UMP subjects listed in QS World 2021

Alhamdulillah
Congratulations

To UMP for Being Ranked in

2021 QS World University Rankings By Subject



Engineering & Technology

358

Engineering- Chemical

201-250

Engineering- Mechanical Aeronautical & Manufacturing

351-400

Chemistry

501-550

Materials Science

351-400

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&...

35...

PEKAN, 4 March 2021 - Six Universiti Malaysia Pahang (UMP) subjects are listed in the QS World University Rankings by

Technology's field strengthened its position when it moved to the 358th best in the world compared to 386th in last year

Malaysia. This ranking edition also saw the subjects of Chemical Engineering ranked at 250th best in the world and 7th in Malaysia. This ranking edition also saw the subjects of Chemical Engineering ranked at 250th best in the world and 7th in Malaysia. This ranking edition also saw the subjects of Chemical Engineering ranked at 250th best in the world and 7th in Malaysia. The other two subjects listed are Pure Science (Chemistry) ranked at 550th best in the world and 6th in Malaysia and Pure Science (Chemistry) ranked at 550th best in the world and 6th in Malaysia. The UMP Vice-Chancellor, Professor Ir. Dr. Wan Azhar Wan Yusoff said the field of Engineering

"This achievement highlights the excellence in teaching and learning (T&L) at UMP which always focuses on various technical skills and human capital with high level technical skills. "It is also in line with the UMP Strategic Plan 2021-2025 in leading the high-

Training (TVET) and also realising the university's aspirations towards the best technology university by 2050," he said.

International), Professor Ts. Dr. Mohd Rosli Hainin said this year's assessment also showed improvements in all four indicators

reputation, citations and H-Index. "This benchmark allows UMP as one of the technical universities in the Malaysian Tech university's achievements from various perspectives.

By: Mimi Rabita Abdul Wahit, Corporate Communications Unit, The Office of The Vice-Chancellor

EBAC and GyVer solutions to problematic



KUANTAN, 22 December 2020 - Many consider coal waste and cow dung to be worthless and often associated as the same. However, it is different for a group of researchers from Universiti Malaysia Pahang (UMP) who successfully conducted the waste-based soil stabilisation using the Bottom Ash Column (EBAC) and GyVer to solve problematic soil structure. According to the project leader, Associate Professor Dr. Mohd Firdaus bin Hashim, Faculty of Civil Engineering UMP, EBAC is a method of strengthening the soil using waste from coal bottom ash that is widely used to generate electricity. GyVer is a method of soil stabilisation using waste products from cow dung. "Both methods use a sustainable construction approach to reduce soil dumping waste by utilising all these materials. "The idea of producing EBAC started in 2010 through the observation of high cost of disposal of coal waste. There is no effort to adopt this material which causes this waste to be dumped at landfills so that it requires high cost and large area of landfills," said Dr. Mohd Firdaus. "The idea of producing GyVer started in 2012 through the observation of high cost of disposal of cow dung waste. There is no effort to adopt this material which causes this waste to be dumped at landfills so that it requires high cost and large area of landfills," he said. This research also received the cooperation of several parties such as Asahitechno Co. Ltd. (Japan), Hokoku Engineering Co. Ltd. (Japan), Department of Irrigation and Drainage Pahang, Globallab Engineering Sdn. Bhd., Malakoff Corporation Berhad and Tencarla Sdn. Bhd. The research team received a gold medal at the British Invention Show (BIS) 2018, Malaysia Technology Expo (MTE) 2018 and the International Conference on Engineering and Technology of Higher Learning (PECIPTA'17). Meanwhile, GyVer research won a gold medal in PECIPTA'17.

By: Nor Salwana Mohd Idris, Corporate Communications Unit, The Office of The Vice-Chancellor

FTKEE lecturers develop digital content



PEKAN, 25 January 2021 - The role of universities today is more challenging. When the Institutions of Higher Learning (IHL) needs of the industry in line with the Industrial Revolution (IR4.0), they also face the outbreak of COVID-19 pandemic. This paradigm shift for the university to review its role in setting new norms for facing the current technological advancement. Faculty of Technology and Electronic Engineering (FTKKE), Associate Professor Dr. Hamdan Daniyal, academic staff also faced with new norms and digital transformation in teaching and learning (T&L). Since May 2020 until November 2020, FTKKE had produced more than 100 video clips to fulfil the commitment given by the staff during MCO 2020. "The knowledge and skills of video recording, creating animation, spending time in contact, and preparing questions in Moodle and Google Form are only a fraction in our journey since March 2020. "The E-Learning team has been working hard to fulfil the commitment given by the academic staff," he said. According to Associate Professor Dr. Hamdan, it is still a long way to go. "Despite the many video clips produced, we still have a long way to go. UMP targets to provide a meaningful learning environment. "Videos play a big role and the learning process demands a lot of preparation from the academic staff, especially from the students," he said. Meanwhile, the Centre of Instructional Resources & e-Learning (CIReL) has also been providing training and support to the academic staff to prepare them with the use of digital technology.

By: Mimi Rabita Abdul Wahit, Corporate Communications Unit, The Office of The Vice-Chancellor

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RANKINGS 2021

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The UMP Edge

Universiti Malaysia Pahang

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