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PENGAJIAN KEJURUTERAAN AWAM

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HIGHWAY AND CONCRETE INTERVENTION WORKSHOP 2022

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The Highway and Concrete Intervention Workshop 2022 program was held on 19 – 20 May 2022 in collaboration between “Skuad Motivasi & Pembangunan Pelajar” and the respective lecturers as a platform to help Bachelor of Engineering (Hons.) Civil (Infrastructure) - EC221 students in enhancing their PO5 (Modern tool usage). Due to the Movement Control Order (MCO) in 2020 and 2021, courses involving laboratories such as Highway dan Traffic Engineering (CEG552) and Structural Engineering Laboratory (CES511) have switched to Online Distance Learning (ODL) medium, where students involved (currently in Part 6, 7, and 8) are unable to go through the experience of using laboratory equipment. Therefore, this program is one of the initiatives carried out by the faculty as an intervention program to meet EAC accreditation requirements to ensure EC221 students got appropriate disclosure. The main purpose of this workshop is to give exposure to final year students (Part 6, 7, and 8) on how to use the highway laboratory tools in the experiment involving road materials and pavement surfaces as well as making concrete in the right way and method.

This program was held for two (2) days for students in Part 6, 7, and 8 for the Highway workshop while Part 8 students are involved in the concrete workshop, with a total of 313 students. The activity that the students have gone through in the highway workshop is using and running road laboratory equipment and tests involving road construction materials, namely aggregate, and bitumen, and assessing the road surfaces condition such as skid resistance, texture depth, and surface drainage. While in the concrete workshop, the activity involved is mixing concrete in the heavy structure laboratory. All activities were carried out with the supervision of the facilitators consisting of academic staff and assistants engineer. To ensure that all students get appropriate exposure, these students were divided into small groups, according to the standard operating procedure (SOP) for activity in the laboratory. Overall, all students were very satisfied with the intervention program and gave positive feedback.



Students prepared to mix concrete



Students were listening to the facilitator's explanation regarding the Los Angeles Abrasion Test equipment



Students were operating the Aggregate Impact Test equipment (right pic.) and conducting a pavement surface drainage experiment using an outflow meter (left pic.)