

Rekayasa Sistem Akademik Keteknikan di FTUI = Academic Systems Engineering at FTUI

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Abstrak

Fakultas Teknik Universitas Indonesia (FTUI) merupakan salah satu lembaga pendidikan keteknikan terbaik di Indonesia yang berdiri sejak 1964. Sejak itu, FTUI telah mengalami perkembangan yang sangat pesat. Sebagai salah satu institusi keteknikan terbaik di Indonesia, FTUI terus melakukan perbaikan berkeninambungan dalam penyelenggaraan akademik yang merupakan salah satu core business FTUI. Pada laporan Praktik Keinsinyuran ini disampaikan beberapa rekayasa sistem akademik selama periode 2018 – 2022 serta analisisnya di tinjau dari beberapa aspek seperti Profesionalisme, Kode Etik Insinyur (KEI) dan Keselamatan, Kesehatan Kerja, dan Lindungan Lingkungan (K3LL). Beberapa rekayasa akademik yang akan dibahas di laporan ini yaitu pengembangan layanan akademik berbasis teknologi informasi, pembangunan sistem absensi otomatis presentronik, pembangunan smart class room dan fasilitas e-learning serta penanganan perkuliahan selama masa pandemi dan post pandemi.

.....The Faculty of Engineering Universitas Indonesia (FTUI) is one of the best engineering education institutions in Indonesia, which was founded in 1964. Since then, FTUI has experienced very rapid development. As one of the best engineering institutions in Indonesia, FTUI consistently makes continuous improvements in the academic aspect, one of FTUI's core businesses. In this Engineering Practice Report, several academic system engineering for the 2018-2022 period are presented and reviewed from several points of view, such as Professionalism, Engineer Code of Ethics (KEI), and Safety, Occupational Health, and Environmental Protection (K3LL). Some of the academic system engineering discussed in this report are the development of information technology-based academic services, the development of presentronic automatic attendance systems, the development of smart classrooms and e-learning facilities, and the handling of lectures during the covid 19 pandemic and post-pandemic period.