

ABSTRACT

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IMPLEMENTATION METHOD FOR SLAB TRACK WORK AND STEEL BEAM COLUMN WORK IN THE TANAH ABANG STATION UPGRADE PROJECT (PHASE 1)

The Professional Work program of the Civil Engineering Study Program at Universitas Pembangunan Jaya provides students the opportunity to apply the knowledge they have learned into field practice through internships at construction companies. One of the projects where the professional work took place is the Tanah Abang Station Improvement Project (Phase 1), which aims to add building facilities, platforms, and railway tracks. This project takes place from August 28 to October 30, 2024, starting with the construction of the slab track foundation for the railway track, followed by the construction of steel columns and beams for the new Tanah Abang Station building. In addition, students are expected to enhance both technical and non-technical skills and gain a better understanding of the processes and challenges in the construction world. This Professional Work Report also discusses key elements in construction such as the use of special materials and innovative technologies, as well as the impact of weather on the project. To achieve efficiency and safety, it is crucial to implement thorough preparation, effective communication, and optimal use of technology and resource management to ensure the project is completed on time, cost-efficient, and structurally sound.

Keywords : Professional Work, Tanah Abang, Slab Track, Steel.