

## ABSTRACT

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### METHOD OF IMPLEMENTATION OF THE UPPER STRUCTURE AND PARKING RAMP AT HOTEL TENTREM JAKARTA-ALAM SUTERA

*Professional Work Activities aim to provide a lot of real or direct experience that requires the implementation of the structure of a project. Practice choosing and carrying out Professional Work activities at the Hotel Jakarta-Alam Sutera Tentrem Project. The project is owned by PT. Praja Karalan Perdana with the main contractor, PT. Tatamulia Nusantara Indah. The building consists of 2 basements, 17 floors, and 1 MEP floor. The Tentrem Hotel Project work is divided into two parts, namely the tower zone and the podium zone. The things that Practice reviewed in the project were the implementation methods of the upper structure (beams and floor plates) and parking ramps. In the implementation of beam and floor plate work starts from checking elevation, installing scaffolding, installing formwork, assembling reinforcement, checklist, cleaning area, slump test and casting, maintenance, scaffolding removal. While the implementation of column work starts from marking points, iron assembly, checklist, repair, cleaning area, formwork installation, check verticality, and casting. In the implementation of Professional Work, there are also obstacles that arise and there are also ways to overcome these obstacles such as steel gaps that are overcome by epoxy injection, porous concrete is overcome by grouting, formwork gaps are overcome by closing using duct tape, ready mix concrete does not meet the slump value will be overcome by returning concrete and exchanged for new ones, reinforcement blocks are not suitable Shopdrawing will be overcome by dismantling the reinforcement, the connector will be removed by rewelding before installing the top reinforcement. In the implementation of Professional Work activities at the Jakarta-Alam Sutera Tentrem Hotel Project, practitioners gain a lot of experience in the form of problem solving, methods of implementing upper structure work (beams and floor plates) and parking ramps, as well as direct experience working in construction projects.*

**Keywords:** Professional Work, Hotel Tentrem Jakarta-Alam Sutera, Implementation Method, Beam, Floor Plate, Column, Ramp, Upper Structure.