

Undergraduate Thesis  
Civil Engineering  
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***ANALYSIS OF FLAT SLAB FLOOR PLATE ON SHIPYARD WORKSHOP  
(CASE STUDY: PT. KARYA TEKHNİK UTAMA)***

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Abstract

*The floor plate is a square that is used as a foothold in a building which is a structure within a building that functions to hold all the loads and forces acting on it and channel it to the columns and foundations towards the hard ground below the building, the floor plate has some types are used in accordance with the functions and purposes of the building, starting from tall buildings, workshops, docks, housing etc.*

*Flat slab floor plates are used in workshops in a shipyard by PT. Karya Tekhnik Utama as one of the shipyard companies in Batam, Riau Islands, Indonesia. This company applies flat slab floor plates to be able to withstand heavier loads compared to other public building loads.*

*Flat slab is a floor plate without using beams such as floor slabs in general, flat slabs are slabs that have more thickness than other slabs, because flat slabs do not use feeding beams the design of the slab must be stiffer and cause the slab to be thicker than on the floor plate using beams.*

***Keywords:*** *analysis, flat slab, slab, beam, drop panel*