

ABSTRACT

RISK ANALYSIS OF BORED PILE WORK IMPLEMENTATION IN DSPEC GADING SERPONG HOSPITAL CONSTRUCTION PROJECT

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Construction work is an activity that contains risks, one of the risks is the risk of project cost overruns. This research aims to determine the risk factors for the implementation of bored pile work, the highest risk in the implementation of bored pile work, the highest risk response to the cost of bored pile work for the DSPEC Gading Serpong Hospital project. The risk analysis method used in this research is AS/NZS 4360:2004. Collection in the field was by observation, interviews and questionnaires conducted on 50 respondents. This research focuses on bored pile work for the DSPEC Hospital building construction project located in Gading Serpong, Tangerang. From the results of the risk analysis, the results showed that the 7 highest risks for bored pile work were delays in the arrival of iron material with a value of 12, delays in the arrival of truck mixers with a value of 12, implementation of work not according to schedule with a value of 16, Late payment by the owner received a score of 12 with a high category, lack of work supervision received a score of 12 with a high category, insufficient number of workers received a score of 12 with a high category, and bored pile foundation point elevation measurement error received a score of 12 with a high category. These 7 risks are the risks of implementing bored pile work for the DSPEC Hospital project.

Keywords: Risk analysis, Risk level categories.