

## ABSTRACT

*Selection of contractors is one of the important things in the completion of a process for the company. Selection of contractors is a multi-criteria problem that includes both quantitative and qualitative factors. Quantitative because there is secondary data retrieval, while qualitative because of consideration of perception that is group discussion forum internal company. Not yet maximal work done contractor PT. Ericsson Indonesia is currently with a lot of work already done, so it's needed again.*

*In this research will be discussed some questions that are criteria that become benchmark of contractor election in PT. Ericsson Indonesia and which criteria are targeted in the selection of contractors, how the assessment or prioritization of the contractor for each criterion is used as a benchmark of contractor selection, which contractor can be selected to work on projects in PT Ericsson Indonesia. Populations and samples from this study are decision makers and those within the department that appear to be contractor performance. The sampling technique uses a saturated sampling technique because all the populations are sampled.*

*This research uses the analytical hierarchy process method is assisted by a selection of software experts. From the assessment of the importance / weight level as follows: priority I quality (0.409), priority II (0.199), priority III capacity (0.148), equipment priority (0.077), priority V capability (0.069), priority VI experience (0.037) priority VII keungan (0,035) and priority VIII OHS (0,026). From the results of the assessment of the level of interest selected: the rank I contractor Telaga Pitu (0.467), ranked II contractor Synergy (0.322), ranked III contractor One Zero (0.211). This study also found that the selection of contractors with AHP method is better than the selection of existing contractors in PT. Ericsson Indonesia, because in the AHP method there is a consistency factor in the assessment, the scale of measurement for reg scores and priorities that can be used simultaneously. in an existing method, it is not available.*

*Based on the results of the above analysis, the suggestion that can be given is analytical hierarchy process (AHP) method can be considered for subsequent contractor selection because this method is very flexible according to the goals to be achieved and can add criteria relevant to the company, that is by good contractor election, is expected to help Ericsson companies in completing project targets provided by operators.*

**Keywords:** *Analytical hierarchy process, contractor selection, project*