

ANALYSIS OF PRIORITY SCALE MAINTENANCE OF STATE POLYTECHNIC OF BENGKALIS BUILDING BASED ON UTILITY CRITERIA WITH AHP METHOD (CASE STUDY: ELECTRONIC BUILDING, MACHINERY BUILDING, IT BUILDING, AND BUILDING C)

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A well-maintained building will provide optimal performance in accordance with the service life of a building. Building maintenance should receive more attention in order to support optimal performance in serving the community. The determination of the analysis of the Bengkalis State Polytechnic building maintenance aims to determine which buildings should be given more attention in the maintenance phase. This study uses the AHP (Analytical Hierarchy Process) method to be a method used in efficient and effective decision making because it is multi-criteria by breaking down problems in a group so that a structured and systematic hierarchy can be formed. The results of the analysis of electrical buildings, machine buildings, IT buildings, and C buildings are data that are recapitulated and assessed based on a questionnaire to determine the weight of criteria and alternatives from several respondents who know the building utility criteria in more detail and some respondents who work as building maintenance staff at the Polytechnic Bengkalis Country. The results of the analysis obtained from each of the criteria and alternatives is the Machine Building with a much higher weight value of the importance of its maintenance, which is 0.264858 / 26.485%.

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