

# UNIVERSITAS INTERNASIONAL BATAM

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## ***ANALYSIS OF INTERNATIONAL UNIVERSITY OF BATAM BUILDING PRIORITIES MAINTENANCE SCALE***

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### Abstract

*In today's development there are more and more buildings in Indonesia. To maintain the condition of the building according to the age of planning, maintenance and repair activities are things that need to be considered. Ignoring building maintenance and repair activities results in the absence of comfort that can affect the activities of building users.. From these problems it is necessary to maintain and repair buildings on a regular, continuous or periodic basis. However, because it is not possible to maintenance or repair the entire building at the same time, it is necessary to know the priority scale related to building improvements so that it can be seen which parts must be handled first.*

*By assessing the weight of damage to each component of a building, it can be seen the priority scale of building maintenance and repair in terms of architectural, structural, utility and environmental management aspects. The object of this research is the building of International University of Batam. International University of Batam is one of the private universities in Batam City which has 2 (two) lecture buildings, namely building A and building B.*

*The results of the analysis obtained based on the Building Condition Index scale, both of International University of Batam buildings are in a very good condition. The priority sequence for maintenance and reapiir of International University of Batam building starts from building B segment B2, building B segment B3, building B segment B4, building A segment A3, building A segment A4, building A segment A1, building B segment B1, building A segment A2.*

**Keywords:** *maintenance, repair, building condition index, Analytical Hierarchy Process (AHP)*