

## **ABSTRACT**

### **REDESIGN OF BOGOR CITY RAILWAY STATION WITH A TECHNOLOGICAL APPROACH**

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*Bogor City Train Station is the initial departure station and the last stop on the DAOP I route as a large class type A station which shows the importance of good facilities and space conditioning in the interior design of the Bogor station so that it can support the activity needs of its users. In addition, the Bogor City Railway Station has a class A cultural heritage building area determined by SR Menbudpar No: PM. 26/PW.007/MKP/2007 so that there is a need for conservation of cultural heritage building areas and adaptive reuse efforts in interior design that adapts to the current needs of cultural heritage buildings but still maintains the authenticity of the existing buildings. Unfortunately, there are several problems, namely Universal Design facilities and accessibility that are not yet in accordance with the Minister of Transportation Regulation NO: PM. 33 of 2011 and Guidelines for Standardization of Indonesian Railway Stations, as well as Conservation of the Bogor City Railway Station building which needs to be adapted to current needs and the characteristics of the new buildings are not in harmony with the old buildings at the Bogor station. One way to overcome this problem is to use a technological approach that can facilitate the Bogor station building in accordance with the mission of PT. KAI is integrated through innovation, one of which is through technology. In addition, the use of a technological approach is also expected to assist in carrying out conservation and adaptive reuse efforts in cultural heritage buildings by using adaptive and responsive smart materials so as not to damage cultural heritage building elements and adapt to current needs.*

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