

ABSTRACT

EXTERIOR DESIGN OF SELF-DRIVING BUS FOR INCLUSIVE FRIENDLY MOBILITY SOLUTION IN THE NEW CAPITAL CITY OF INDONESIA

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With the construction of the Capital City of the Archipelago, which is the new administrative and government center of Indonesia in East Kalimantan, a new regulation was made that carries the concept of green city. This is aimed at the KIPP (Government Center Area) area where this area must be free of motorized vehicles. Therefore, residents are directed to use public transportation that is already based on electricity to carry out their daily activities. One of them is the Autonomous Electric Bus (self-driving electric bus) designed in this research called "Trans Nusantara". Public transportation itself is a supporting tool that functions to transport a group of individuals from the starting point to the destination point. Every individual needs this to live their daily lives such as work and so on. With the rapid development of the times, smart sensors on a transportation make it not require humans to drive it anymore. Only enough to be supervised by an operator, a transportation can run independently. This can realize a modern and environmentally friendly infrastructure by prioritizing the exterior design of Trans Nusantara which has inclusive features and futuristic style.

Keywords: public transportation, self-driving bus, autonomous vehicle, automotive exterior design, inclusivity, futuristic

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