EMERGENCY AMBULANCE DESIGN FOR URBAN AREA WITH UPV BASIC
(Urban Personal Vehicle)
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ABSTRACT

Indonesia as a developing country has a population of more than 300 million people with uneven density. These conditions bring different impacts in terms of political, economic, social, cultural, technological, especially in urban areas. Big cities like Jakarta, Surabaya, Medan has the same problems that uncontrolled urbanization tends. Problems in order to provide alternative health-care facilities were developed health infrastructure supporting a national car-based ambulance as ARINA, TAWON, MARLIP, and GEA with a few adjustments in order to solve problems that have been formulated in accordance with, other than the expected operating costs are also cheaper more effective and nimble in traffic to reach the area of solid or dense settlements. In many emergency cases, the most important factor is the provision of therapy. This is an important means to prevent early death and extended survival.

Efforts penyelasaian problem started from the identification of products, data collection and further through the design process with establishing concept design, sketching, and creating scale models.

Development of alternative forms of research begins with the application of alternative forms of the system (the concept) and is equipped with working drawings / engineering drawings in order to find the final design.

Studies and analysis covering the emergency studies, operations, needs, components, activities, ergonomics, anthropometry, configuration, color until the concept of smart ambulance, fast response,

(Keywords: Design ambulance, emergency, smart, UPV)