

ABSTRACT

The defense of a country cannot be separated from how strong the Defense System Main Tool (Alutsista) is. The more complete and modern the defense equipment owned by a country, the more optimal the country will be in maintaining its defense and sovereignty, one of the efforts of the Medan Artillery Weapons Center or Pussenarmed in the field of weapons development, education, training, research and development is developing Field Artillery Vehicles Observer (FAO) or Vehicles that function to observe and control Unmanned Aircraft (PTTA). In operating Field Artillery Observer (FAO) vehicles, soldiers who are operators sitting in the cabin need a high level of concentration and be in a static state. If not, there is a risk of causing unsatisfactory work results (quality and quantity) and work accidents or near misses. This design produces a Vehicle operator workspace with a work table in the operator's cabin which is designed by following the oblique parking concept to facilitate workflow and optimize space limitations, besides that the work chair is designed to be able to adjust the height and posture of the user so that it remains comfortable to use in the vehicle to maximize operator performance observer of the Indonesian National Armed Forces using qualitative research methods and user-centered design (UCD) methods.

Keywords: *Anthropometry, Ergonomic Design, Sitting Posture, Soldiers, Combat Vehicles.*