Identifying Development Strategic of Critical Technology Elements using Quality Function Deployment Approach for Fighter Simulator Development

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Abstract:

One of the principles used as a reference in the implementation of the defense industry is self-reliance, self-reliance in defense industry coincides with the development of a strong foundation to maintain sustainability and prevent the collapse of a country, Indonesia and South Korea in 2009 signed a joint development cooperation related to the development of 4.5 generation fighter aircraft, in the process defense technology acquisition, the availability of technology is the main requirement in development, but in its development there are often major problems such as the licensing of technology, especially the Critical Technology Element (CTE) which is a key technology that plays an important role in technological development. Fighter simulator technology is one of the key technologies used in various aspects of aviation. This research aims is to analyze the critical technology elements of simulator technology and determines strategy to acquire its technology, the method used in this research used Quality Function