



DESIGN AND ANALYSIS OF TOWING BAGGAGE OF ELECTRIC TRACTOR IN THE AVIATION INDUSTRY

UNDERGRADUATE THESIS

Submitted as one of the requirements to obtain

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FACULTY OF ENGINEERING

MECHANICAL ENGINEERING STUDY PROGRAM

CIKARANG

NOVEMBER 2023

TURNITIN RESULT

DESIGN AND ANALYSIS OF TOWING BRACKET OF ELECTRIC
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ABSTRACT

The development of technology is currently growing very rapidly, one of which is in the automotive field, which is characterized by the large number of requests for the number of vehicles needed to support human daily activities. The current problem that is very worrying is the use of energy using natural fuels whose combustion is not perfect, which greatly affects the sustainability of life. Electrical energy is energy that can be renewed and is environmentally friendly. The use of electrical energy is expected to help reduce carbon emissions in the world, and this is the target of the SDGs (Sustainable Development Goals). One of them is the manufacture of the Electric Baggage Towing Tractor (e-BTT) at PT X (aviation industry). With the e-BTT, the author conducted research. So from this research, there is innovation in the e-BTT towing bracket section. The towing bracket, which is usually a hook during towing, is very crucial, and when there is damage to this part, the e-BTT cannot be used properly. Therefore, to reduce the maintenance period, the towing bracket is made into a separate part that uses bolts as fasteners.

Keywords: *Electric Baggage Towing Tractor (e-BTT), Fasteners, Maintenance, Towing Bracket, Sustainable Development Goals (SDG).*

ACKNOWLEDGEMENT

Praise and gratitude to God Almighty, who has given His grace and gifts from the beginning of the final project to the end, such as health and wisdom, so that the author can complete the final project at President University. Therefore, the author would like to thank:

1. Father and Mama, who always pray and support the process of the final project.
2. Dr. Eng. Lydia Anggraini, S.T., M.Eng., as the final project supervisor, and Nanang Ali Sutisna, M.Eng., who provided guidance and direction during the final project.
3. Labayo Mutiara Sihite, who always encourages and takes the time to accompany the author.
4. The big family of Op Elsa, Op Sauduran and Op Strivenson, who have encouraged me.
5. Helen Steavy Pakpahan, who always encourages and provides support while attending lectures in mechanical engineering, and the class of 2020, who have provided support and prayers for the author to stay focused and continue learning.

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