

Analytical Hierarchy Process (AHP) for Selection of Project Management Software to Support
Remote Working: A Case Study at Logistics Division of a National EPC Company in Indonesia

By

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Tangerang, Banten 15143 – Indonesia

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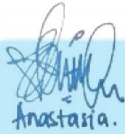
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Revision After Thesis Defense on July 13th, 2021

STATEMENT BY THE AUTHOR

I hereby declare that this submission is my own work and to the best of my knowledge, it contains no material previously published or written by another person, nor material which to a substantial extent has been accepted for the award of any other degree or diploma at any education institution, except where due acknowledgement is made in the thesis.



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ABSTRACT

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Good project management is the main pillar of a project's success from an internal perspective. However, in 2020, the world was being hit by a sudden disruption in the form of the pandemic disease which greatly affects all aspects of social life. One of the effects of this pandemic is a large-scale social restriction, which is the limitation of a large group of people in one activity. This limitation will lead to the working from home system implementation for some companies. The implementation of this new working system will lead to the project performance and quality as well. The use of project management software can maintain or even increase the performance of the project. The objective of the thesis work is to be able to determine the criteria needed in a project management software and decide the suitable one in a logistics department. The analytical hierarchy process method was used in this research. Based on interviews and literature reviews, the criteria used are project schedule, collaboration, and task / Kanban. Microsoft Project is being on the first rank rather than other software that has a weight value on project schedule, collaboration, and task / Kanban criteria are 0.6887, 0.5870 and 0.4502.

Keywords: Project, Management, Software, Working from Home, Microsoft Project, Asana, Trello



DEDICATION

I dedicate this works to the future of the Indonesian economy in its struggle against the COVID-19 pandemic since 2020.



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First and foremost, I thank God for every countless blessing, knowledge, opportunity and peace so that I have been finally able to accomplish the thesis in the midst of rains and storms. I couldn't be more thank you to my number one support system at home – mom, dad and sister crime – for every unlimited love, support, and trust since day one.

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The final word the researcher realized that in the writing of this thesis is still far from perfection. Therefore, the researcher invoke suggestions and criticisms which is build for the sake of perfection and may be useful for all of us.

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