USAGE OF GREEN BUILDING CONCEPT TO REDUCE OPERATING COST

(STUDY CASE PT. PRODIA WIDYAHUSADA)

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE BACHELOR DEGREE OF ACCOUNTING

DEPARTMENT OF ACCOUNTANCY
ACCOUNTING STUDY PROGRAM

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ECONOMIC AND BUSINESS FACULTY
AIRLANGGA UNIVERSITY
SURABAYA
2016
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ACKNOWLEDGEMENT

All of praise gratefulness dedicate to Jesus Christ for His blessing, love and guidance. Because of that, the writer can finish the undergraduate thesis titled: “Usage of Green Building Concept to Reduce Operating Cost (Study Case PT. Prodia Widyahusada”

I would like to express my biggest gratitude to both of my father and mother, Guwijanto Budi Pranoto and Laniwati Sutanto, for all love and support given to me. There is no other motivation in finishing my undergraduate thesis unless for them

Furthermore in the completion process of this undergraduate thesis, a lot of support, assistance, and motivation are given to me. I would sincerely say my deepest gratitude to:

1. Prof. Dr. Hj. Dian Agustia S.E., Msi., Ak as Dean of Faculty of Economic and Business Airlangga University.
2. Drs. Agus Widodo Mardijuwono M.Si., Ak., CMA., CA as Head of Accountancy Program of Faculty of Economic and Business Airlangga University.
3. Ade Palupi, S.E., MPMM., Ph.D., Ak., CA as Head of Undergraduate Accountancy Program of Faculty of Economic and Business Airlangga University.
4. Khusnul Prasetyo, S.E., MM., Ak., CMA., CA as my supervisor, thank you for your patients, best assistances, directions, advices, deep support, and knowledge given in helping me completing this undergraduate thesis.
5. Dra. Iswajuni, M.Si., Ak. as my guidance lecturer, thank you for your guidance given to me during my study in Airlangga University.
6. All Lectures of accountancy english class, especially Mr. Okta Sindhu, Mam Devi Kalanjati, Mam Amalia, Mr Basuki, Mr Arsono, Prof Tjip, thanks for your patience and dedication given to us.

7. All management and staff of PT. Prodia Widyahusada Region 6 especially Laniwati Sutanto, Maria Christina Yuwono, Mutiningish and Mas Samsul. Thanks for all of your time given to me.

8. My brother, Jonathan Toni Tjenggoro. Thank you for being so supportive.

9. My dearest friends: Dhira Lukitasari, Angga Sdby, Rizki ‘Kiwar’ Anwar, Dimas Ranuh, Irfan Pratama, Luthfi Kurnia, Inten Sumolang, Stephanie Yulia, Ariyani Tiara, and Mirna Cahyani. May we have a great future ahead of us!

10. Thanks to EC-AK 2013 class: Angga, Dhira, Kiwar, Irfan, Danastri, Herly, Jeffry, Stephanie, Galang, Silvi, Yuni, and Luthfi. Thanks for the 3,5 years of laughter, joy, and madness that we had together.

11. Last but not least, I want to give my thanks to Stevani Weriawan for her support and prayer to me.

End of words writer hopes that this research could give contribution for the development of accounting knowledge. As this research is far from being perfect, researcher would be very happy to receive constructive critics and suggestions.

Writer
ABSTRACT

The ever changing conditions in the business environment makes the management have to create constant innovation in their business. Innovations are created in order to keep the customer from switching to competitor. There are many forms of innovation that can be done by the company, one of them is the improvement in the infrastructure. Office building is one of many kinds of infrastructure used by a company to run its business and in the past few years, green infrastructure including office building becoming a trend worldwide. Research shows that green building usage will yield many benefits such as increase in asset value and indoor environmental quality, and lower operating cost.

This research emphasizes on green building concept usage and its effect to operating cost and uses Grha Prodia, a building with green concept owned by PT. Prodia Widyahusada. Grha Prodia is chosen because it is the first privately owned green building that is registered for LEED certification in Surabaya. This research will test whether Grha Prodia could earn LEED certification based on the aspects that it have and it will also compare the operating cost of Grha Prodia with Prodia Tower, similar but conventional building which also owned by PT, Prodia Widyahusada. The two main theories used in this research are cost and green building.

The result of this research is Grha Prodia is considered as green building and could earn LEED certification if the current aspects are continuously implemented and maintained. Grha Prodia can fulfill all prerequisites credits in each criteria and further enhance it by fulfilling optional credits in all criteria available. Grha Prodia also able to demonstrate lower operating cost than regular building, with 63% lower in water usage and 53% lower in electricity usage.

Keywords: green building, cost, operating cost, water usage, electricity usage
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