REDESIGN THE OFFICE ENVIRONMENT BASED ON LAYOUT ANALYSIS AND ERGONOMICS
(Case Study at Jogja TV Yogyakarta)

THESIS
Submitted as Partial Fulfill of the Requirements to Obtain the Bachelor of International Industrial Engineering Degree

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YOGYAKARTA
2007
STATEMENT OF WORK'S ORIGINALITY

I honestly declare that this thesis which I wrote does not contain the works or parts of the works of other people, except those cited in the quotations and bibliography, as a scientific paper should.

Yogyakarta, June 25, 2037
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Herlina Noor Wulandari
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Lord, make me an instrument of Your peace.
Where there is hatred let me sow love;
Where there is injury, pardon;
Where there is doubt, faith;
Where there is despair, hope;
Where there is darkness, light;
And where there is sadness, joy.

- St. Francis of Assisi -
ACKNOWLEDGEMENTS

God blessed me in His miraculous way so I can finally fulfilled and finished this desired final report.

This final report is one of the prerequisite to complete the undergraduate study program in Industrial Engineering Department, Industrial Technology Faculty, Atma Jaya Yogyakarta University.

I also obliged to many people who boosted me to finish this final report. On this occasion, I would like to thank and give a deep respect:

1. Mr. Paulus Mudjihartono, S.T., M.T., the Dean of Industrial Technology Faculty, Atma Jaya Yogyakarta University.

2. Mr. Parama Kartika Dewa SP., S.T., M.T., the Head of Industrial Engineering Department, Industrial Technology Faculty, Atma Jaya Yogyakarta University and as writers' supervisor 2 who had supported me that much from the beginning until the finishing of this report.

3. Mr. Ir. B. Kristyanto, M.Eng. Ph.D., the supervisor 1, who had assisted with me, from the commencement till the finale.

4. Mr. V. Aroyono, S.T. and all crew of Production System Laboratory, for the express trainee and exact suggestion.

5. Mr. Baju Beowo, S.T., M.T. and Mr. TB. Hanandaka, S.T., M.T. who became part of my board of thesis examiners.
6. Mr. Josef Hernawan Nudin, S.T., M.T. whose his advised and story about life really inspiring.
7. Mr. P. Wisnu Anggoro, S.T., M.T. who really taught me about many things during my study in the university.
8. Commissioner, editor in chief, producer, reporter, camera person, operator and all persons in Jogja TV who had given me many information about many new things.
9. To my beloved-strong mother who always back me up whenever I felt deeply lonely and given up.
10. To my hilarious brother for the great shelter, protection and fun during our togetherness. “Yes, you should reach your dream!”
11. To my definite soul mate for the companion during, before and after the whole hard times in making this final report.
12. To Gendhis, my newly lovely golden retriever.
16. Papi H. Tommy Bono Santoso Methami (late) for the great experiences till finally you passed away.
17. DR. Bianca Muller for the amazing opportunities and a very qualified moment we had.
18. Dr. Matthias arust for the great advised and suggestion for a worthy living, leif is wertvoll, danke!
19. Cede Prama for the inspirational words.
20. Prof. Dr. Nurcholis Hadjid (late) for the amazing spirit for living.
21. Dr. Kirwysanto thank you for not believe in me, this is the proved.
22. All persons who already helped me during this final report, with their own amount of help, materially and morally, anytime, anywhere, deep thanks for you guys.

I recognize that this final report still has a lot of flaws, so any critiques are really foreseeable. After all, I wish that this final report can be of use and likely to be enhanced in a further research.

Yogyakarta, June 2007

The Writer
Putri Ayuningtyas
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ABSTRACT

This research is conducted in Jogja TV office on Jalan Wonomari. This research analyzes the environment in the office, which derived the writer to the offices' layout and physical condition of its ergonomic value, that also does not maximally fulfilled the needs of all the employees. The reasons are about the office layout which is not proper to their tasks and needs, and the area accessibility. Problem also arisen from the physical condition of the environment: the temperature, lighting, sound level, and color harmony.

To show and make sure that the redesigned environment both for layout and physical condition more capable to accommodate the whole activiters, facility layout planning approach by qualitative method by Activity Relationship Chart and Slocplan software analysis is applied. The ergonomic approach also taken to provide a better physical condition which are sufficient to the job they taken.

The proposed layout will have some changes, but most of all is the news room 1 and 2 layout which will have its individual space to prevent undesirable noise. Proposed physical conditions will sufficient for the job taken in the layout, the temperature will be cooler for the employees to feel thermally comfortable. Lighting level also will be raised up as near as its sufficient level, sound level in some rooms will reduce and color harmony in all room will fitted to the ambience needed.