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**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**

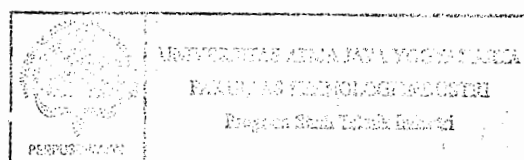


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2007**



**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, 2007

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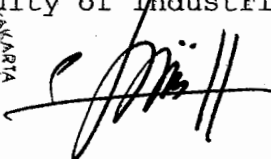

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Demikian surat keterangan ini kami buat agar dapat digunakan sebagaimana mestinya.

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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 -

*This Final Report is Highly Dedicated to :*  
*Me, Myself and I*  
*The Devoted Mother Titien Suhartini, S.Sos., M.M.*  
*The Amazing Brother Ir. Pradhana Agasta Putra*  
*The Only Soulmate Ir. Bayung Arlingga*

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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 Wonosari. This research analyze 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 arised 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 activities, facility layout planning approach by qualitative method by Activity Relationship Chart and Blocplan 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 has 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.