

EQUALITY ON WORKLOAD ALLOCATION IN PERTAMINA GAS STATION
SPBU 74.94205 DIPONEGORO, PALU

THESIS

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



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2012

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, July 17, 2012



The writer,

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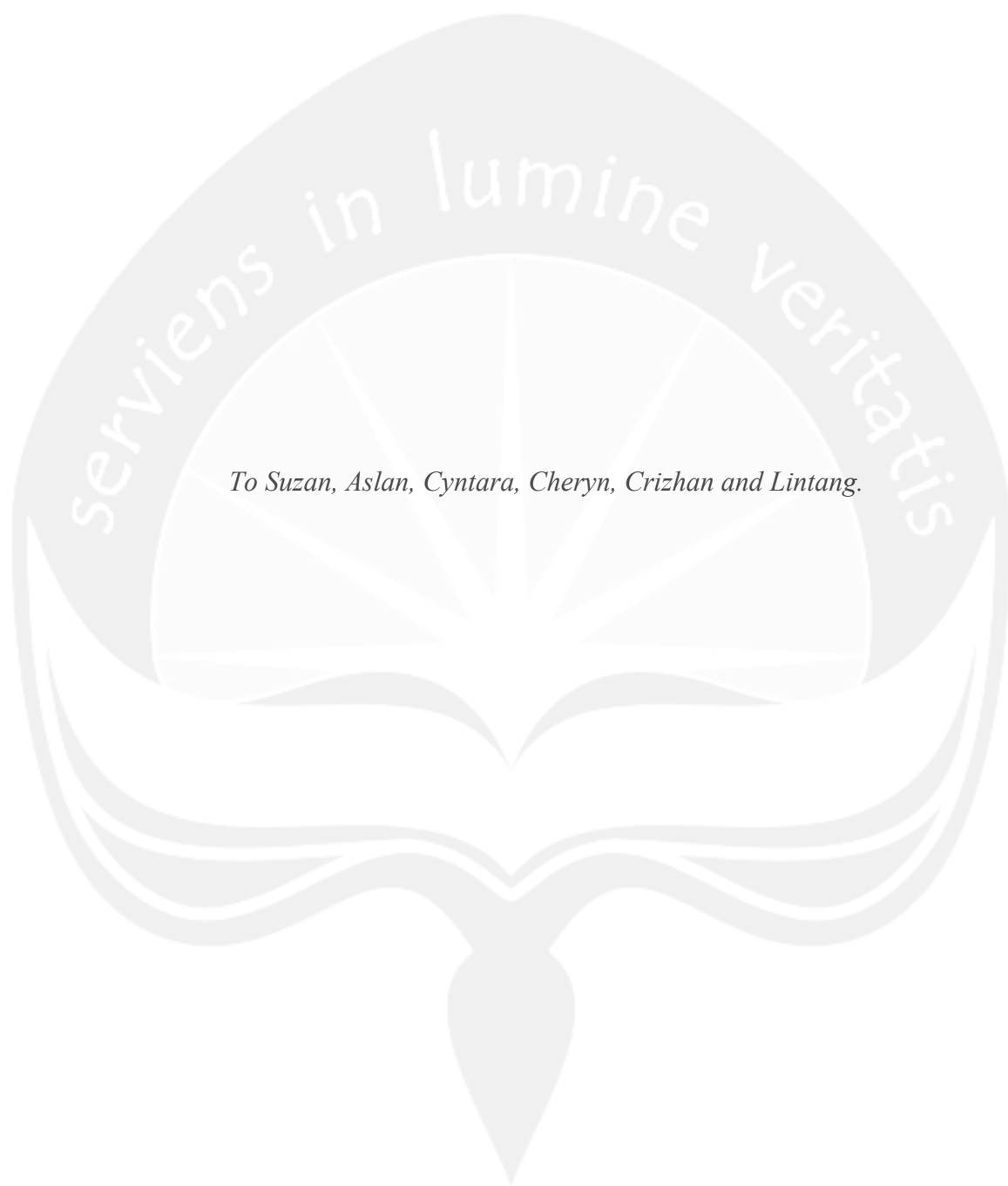


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To Suzan, Aslan, Cyntara, Cheryn, Crizhan and Lintang.

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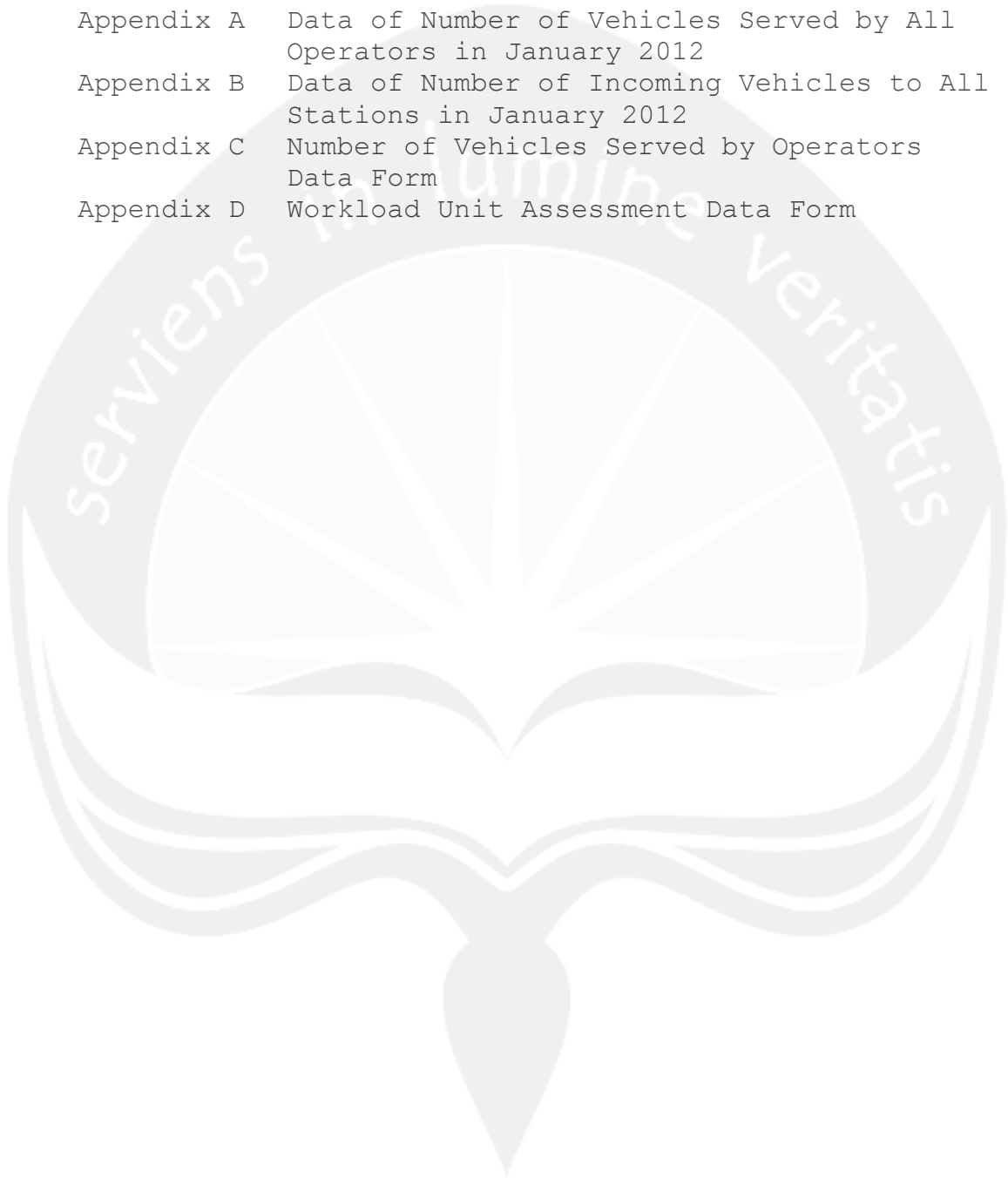
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ABSTRACT

Workload distribution is one factor that influences operator or labor's performance. In some workplaces, in this case is Pertamina gas station SPBU 74.94205 Diponegoro, Palu, there is a circumstance where the distribution of operators' workload is not equal. It is indicated when there are some operators tend to work more than the other operators. This research is focused on identifying the current workload distribution and revising the work shift (7-hour Morning Shift, 8-hour Day Shift, 9-hour Night Shift), which is one factor that impact workload distribution.

Two alternatives of work shift model, based on Miller's suggestion, are proposed to the company. The expected workload distributions of the proposed models are compared to the current work shift's workload distribution. The result of analysis shows that the current work shift has unequal workload distribution, indicated by its standard deviation, which is higher than the standard deviation of two alternatives of work shift model that have been adjusted. The adjusted work shift model with the lowest standard deviation indicates that the expected workload assigned is more equally allocated. This work shift model is then proposed as the company's new work shift (4-hour Morning Shift, 5-hour Day Shift, 4-hour Afternoon Shift, 5-hour Evening Shift, 6-hour Night Shift). While the current work shift only allocates operators to each shift, the proposed work shift now allocates operators to each station in each shift.

Keywords: equality, gas station, work shift, workload distribution