DESIGNING AND CONSTRUCTING AUTOMATIC TRANSFER PART MODEL WITH ARDUINO CONTROLLER

By

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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, or material which to a substantial extent has been accepted for the award of any other degree or diploma at any educational institution, except where due acknowledgement is made in the thesis.

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ABSTRACT

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Work in the production stamping machine area can be dangerous. The risk of work accidents can be high and can lead to fatality. The study outlined here is to make a model called automatic transfer part of the deal with the problem. In the future this can be an alternative solution with regards to providing a better safety around stamping machine area.

Automatic transfer part (ATP) is a model controlled using Arduino Mega. I can provide an overview on the way stamping machine parts move.

1. The Purpose of this study is :
    1. Making of an ATP model.
    2. Adding insight and knowledge for writers in the field of Mechatronics with the concentration of Arduino Mega and DC motor and Limit switch.
2. Research metodology to answer the research question is :
    A Designing, constructing, assembling hardware.
    B. Making and development software.

3 Conclusion

By using ATP model, it is expected to:

3.1. Helping management to get an overview of the tool, so that it can help give overview to determine the decision within of concern for the safety work.

3.2. Assist management in the making a decision in order to improve the effectiveness of the process in stamping machines.

Keywords: Arduino Mega, DC motor,

DEDICATION

I dedicate this work for the better future of ATMI Cikarang, the place that I work

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6. My friend, Tatang who always help and share knowledge in order to assist Author in undergoing the process of the study and the completion of this thesis.

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