

OIL-WATER SEPARATOR

MODEL FOR AUTOMOTIVE WORKSHOP EFFLUENT

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With the guidance from our supervisor, we finally completed this project successfully. Our thanks also go to other lecturers and our friends that have rendered us a lot of help directly or indirectly. Without the efforts, this project would not have become a reality.

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PREFACE

Final Project paper (KJP 365) is one of the courses that need to be carried on by students of Diploma in Mechanical Engineering. This subject also will test the ability of the students and also to put into practice including the theories that they have learned throughout the course of study. This project work will put into application for all things that have been learnt. Besides that, this project will broaden the mind of the student especially in technical aspects.

Last but not least, we hope that our project will be the starting point in our journey towards nation building especially in technical field.

Thank You.

SYNOPSIS

Oil pollution is one of the pollutions that effects environmental such as water resources, living organism, human being and others. Nowadays only big factories have the unit to control pollution while oil spills in small workshops, pump stations and others are mostly neglected.

Most of the workshops in Malaysia contribute to oil pollution. We see that the oil flowing through the drain and then direct to the river where it does a lot of damage to living things. The oil pollution actually will effect the flora and fauna and also disturb the ecosystem. Realising this, we will prepare a design of a low scale oil-water separator especially for small workshop such as car or motorcycle workshop.

The oil-water separator that we will design is suitable for small workshop. We see that from the size aspect and the price that affordable to all workshops. When the oil-separator unit are installed in workshops, it can reduce the oil discharge into the river and help control the pollution.