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Teleoperated robot development using arduino / Mujahid
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TELEOPERATED ROBOT DEVELOPMENT USING ARDUINO

By
MUJAHID BIN MOHAMAD

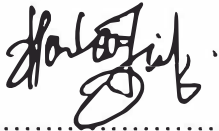
Thesis submitted in partial fulfilment of the
requirement for the award of the degree of
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SCHOOL OF OCEAN ENGINEERING
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THESIS CONFIRMATION AND APPROVAL

This is acknowledged and confirmed that thesis entitled: Teleoperated robot development using Arduino by Mujahid bin Mohamad Matric No.: S39205 have been checked and all the suggested corrections have been done. The thesis is submitted to School of Ocean Engineering, Universiti Malaysia Terengganu in partial fulfillment of the requirements for the award of the degree of Bachelor of Applied Science (Electronics and Instrumentation Physics).

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TELEOPERATED ROBOT DEVELOPMENT USING ARDUINO

ABSTRACT

Teleoperation robot is a field where the robot is controlled in a distance to do works especially in helping people on their jobs. The development of robot especially on the teleoperation field is a tough process as it demands the knowledge on mechanical, electronic and programming. In order to construct the simple robot in teleoperation field for beginner, the development of a manual robot using Arduino is presented in this paper. The way of achieving this purpose are by developing the concept and mechanism, designing 3D model, installing circuitry elements, programming and testing. This work will give impact on the teleoperation field as it gives a simple way of understanding the basic system and control, speed up the learning process and easy on construction and lower in cost.