

# Design and Fabrication of a Bench Scale Fluidised Reactor

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## ABSTRACT

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This report introduces on Design and Fabrication of Fluidised reactor. Pyrolysis process is one of the processes that is being used to utilise biomass and convert it into liquid fuel. One of the methods which has the target to produce bio-oil is fast pyrolysis. The fluidised reactor is a part of the fast pyrolysis to convert biomass to bio-oil. Design, material selection and fabrication of a Fluidised Reactor can help in this sustainable utilisation. Some research has been made to compare my prototype with industries production. Method to fabricate the bench scale fluidised reactor. List of material that being used, Parts of the bench with size will be list in this report, the result of the project and References. This project is very interesting, reduces pollution, clean power and fuel, which are gifts from nature.