

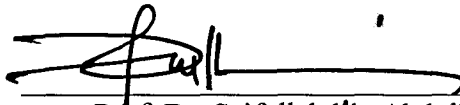
**PREPARATION AND STRUCTURAL CHARACTERIZATION OF
LATEX NANOPARTICLES**

NUR FARAHER BINTI HASSMORO

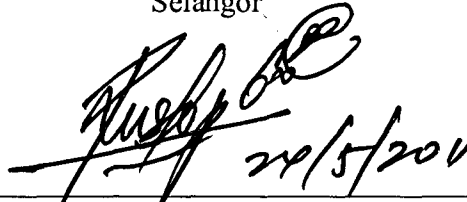
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This Final Year Project Report entitled “**Preparation and Structural Characterization of Latex Nanoparticles**” was submitted by Nur Farahin binti Hassmoro, in partial fulfilment of the requirements for the Degree of Bachelor of Science (Hons.) Physics in the Faculty of Applied Sciences, and was approved by

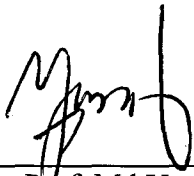


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ABSTRACT

PREPARATION AND STRUCTURAL CHARACTERIZATION OF LATEX NANOPARTICLES

Formulation for latex synthesis should consist of 20% to 60% of monomer solution and 0.1% to 1.0% of initiator solution. In this project different parameter of monomer solution was used to prepare the latex nanoparticles solution. The dilute of monomer solution is better compared to the concentrated of monomer solution. Various type of drying process was used to prepare the sample. Slow drying process is the good method to get the smallest particle size of latex nanoparticles. The structural characterization of latex nanoparticles was studied by Atomic Force Microscopy (AFM). From the AFM it shows the particle size and the thickness of latex nanoparticles.