

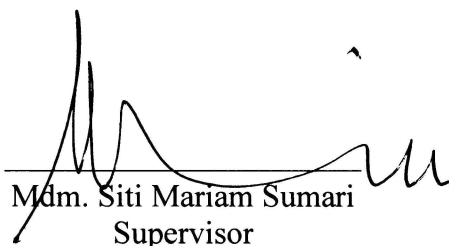
**ADSORPTION OF REACTIVE RED120 USING CALCINE AND
UNCALCINE Mg-Al-CO₃ LAYERED DOUBLE HYDOXIDE FROM
AQUEOUS SOLUTION**

OUMAR MOECHTAR B MOHAMMAD HASHIM

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This Final Year Project report entitled “**Adsorption of Reactive dye (Red 120) using Calcine and Uncalcine Mg-Al-CO₃ Layered Double Hydroxide from aqueous solution**” was submitted by Oumar Moehtar B Mohammad Hashim, in partial fulfillment of requirements for the Degree of Bachelor of Science (Hons.) Applied Chemistry, in Faculty of Applied Science, and was approved by



Mdm. Siti Mariam Sumari
Supervisor
B.Sc (Hons.) Environmental Technology
Faculty of Applied Science
Universiti Teknologi MARA Malaysia



Miss Sabrina binti M. Yahaya
Project Coordinator
B.Sc. (Hons.) Applied Chemistry
Faculty Of Applied Science
Universiti Teknologi MARA



Assoc. Dr. Yusairie Mohd
Head Of Programme
B.Sc. (Hons.) Applied Chemistry
Faculty Of Applied Science
Universiti Teknologi MARA

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ABSTRACT

ADSORPTION OF REACTIVE RED 120 AND DYES BY USING Mg-AL-CO₃ REGULAR AND Mg-AL-CO₃ CALCINE

Using Layered Double Hydroxides (LDHs) as adsorbent for removal of Reactive red 120 and from aqueous solution at various parameters. This parameter include concentration, contact time, ph, size of particles, temperature and adsorbent dosages. The adsorption isotherms can be defined with Langmuir model instead of Freundlich model. The characterization of this Layered Double Hydroxide are determine by using several test like X-Ray Diffractometer test, the FTIR Fourier Transmitted Infrared, and SEM Scanning Electron Microscope test.