

**FATTY ACID COMPOSITION OF FRUIT SEEDS OF
GOLD MOHUR (*Delonix regia*) AND AIDAN
(*Tetrapleura tetraptera*)**

IMADE UZORMA DE-GREAT

CHE/11/0305

***INDUSTRIAL CHEMISTRY DEPARTMENT
FEDERAL UNIVERSITY OYE-EKITI, EKITI STATE, NIGERIA.***

***IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF A
BACHELOR DEGREE [B.sc] INDUSTRIAL CHEMISTRY TO THE DEPARTMENT
OF INDUSTRIAL CHEMISTRY, FACULTY OF SCIENCE,
FEDERAL UNIVERSITY, OYE-EKITI, EKITI STATE.***

Dr (Mrs) ADUBIARO H.O

Project Supervisor

ABSTRACT

The Fatty Acid Analysis was carried out on the seeds of Gold Mohur (*Delonix Regia*) and aidan (*Tetrapleura tetraptera*) to determine their fatty acid composition, the result shows that the two seeds contain both saturated and unsaturated fatty acids in different proportions. The result shows that the Gold Mohur (*Delonix regia*) is predominated by unsaturated fatty acids with total unsaturated fatty acid composition of 63.88% and the saturated fatty acid composition of 36.12% while the aidan fruit seed (*Tetrapleura tetraptera*) was predominated by the saturated fatty acid with total saturated fatty acid composition of 53.12% and the unsaturated fatty acid composition of 46.90% respectively.