

**ISOLATION OF XYLANOLYTIC BACTERIA FROM LANDFILL SOIL
AND PRODUCTION OF ENZYME FROM THE ISOLATE**

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**BACHELOR OF CHEMICAL ENGINEERING
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Thesis is submitted in partial fulfilment of the requirements
for the award of the degree of
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SUPERVISOR'S DECLARATION

We hereby declare that we have checked this thesis and in our opinion, this thesis is adequate in terms of scope and quality for the award of the degree of Bachelor of Chemical Engineering.

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STUDENT'S DECLARATION

I hereby declare that the work in this thesis is my own except for quotations and summaries which have been duly acknowledged. The thesis has not been accepted for any degree and is not concurrently submitted for award of other degree

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*Dedicated to my beloved father and mother.
For their endless love, support and encouragement.*

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LIST OF SYMBOLS

°C	degree Celcius
%	Percentage
μ	Micro
g	Gram
L	Litre
min	Minutes
hr	Hour
yr	Year
mL	Millilitre
nm	Nanometre
w	Weight
v	Volume
M	Molar
rpm	Revolution per minute
pH	Potential hydrogen

LIST OF ABBREVIATIONS

MSW	Municipal solid waste
sp	Species
SmF	Submerged Fermentation
SSF	Solid-state Fermentation
uv-vis	Ultraviolet-visible
IU	International Unit
DNS	Dinitrosalicylic acid
KNO ₃	Potassium nitrate
KH ₂ PO ₄	Monopotassium phosphate
MgSO ₄	Magnesium sulfate
(NH ₄) ₂ SO ₄	Ammonium sulfate