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شبكة المعلومات الجامعية  
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# شبكة المعلومات الجامعية التوثيق الالكتروني والميكرو فيلم





شبكة المعلومات الجامعية

# جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

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**EFFECT OF REPLACING YELLOW CORN WITH  
GRADED LEVELS OF CASSAVA ROOT MEAL  
ON BROILERS AND LAYERS PERFORMANCE**

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## *Dedication*

*To my father , mother and wife  
who gives me hope , confidence and  
a great will to be , to maintain and  
to resist .*



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## ACKNOWLEDGEMENT

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### LIST OF ABBREVIATIONS

BW	Body weight
CER	Caloric efficiency ratio
CF	Crude fiber
CP	Crude protein
CPC	Crude protein conversion
CRM	Cassava root meal
DM	Dry matter
EE	Ether extract
EE <sub>f</sub>	Economic efficiency
FC	Feed conversion
FI	Feed intake
GE	Gross energy
gm	Gram
HCN	Hydrocyanic acid
Kcal	Kilocalorie
Kg	Kilogram
L.E.	Egyptian pound
ME	Metabolizable energy
ME <sub>n</sub>	ME corrected to N equilibrium
MJ	Mega joule
mm	Millimeter
NE	Net energy
NFE	Nitrogen free extract
NRC	National Research Council
P.T.	Piasters
TDN	Total digestible nutrients
TME	True metabolizable energy
TME <sub>n</sub>	True metabolizable energy corrected to zero nitrogen balance
WG	Weight gain
YC	Yellow corn
YCo	Yolk colour