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**Improving water stability of extrudate feed for *C. porosus* using Sodium alginate**

**A Thesis**

**presented in partial fulfilment of the requirements for the**

**Degree of Master of Science**

**major in**

**Animal Science**

**at**

**Massey University, Manawatū,**

**New Zealand.**

**by**

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## **Dedication**

This thesis is dedicated to my late dad Feriwangui Wimo who died during the crises in Bougainville in PNG during the 1980s; to the women behind my success, my beloved mum, Tep Kambong; and in loving memory of my only aunty Boniningke Kambong.

## **Declaration**

I, Magdalene Francis declare that this thesis/dissertation, which I hereby submit for the degree of Master of Science (Animal Science) at Massey University is my own work that is not previously been submitted or published; independently carried out, and only with the cited sources, literatures and other professional sources.

Signature: .....

Date: .....

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## Abbreviation, Acronyms and Units

AA	Amino acid
AIA	Acid insoluble ash
BW	Body weight
CaCl <sub>2</sub>	Calcium chloride
CaCO <sub>3</sub>	Calcium carbonate
Cpm	Cycle per minute
DE	Digestible Energy
DM	Dry matter
DMR	Dry matter retention/Dry matter retained
IUCN	International Union for the Conservation of Nature
LBW	Live body weight
MC	Moisture content
MHL	Mainland Holdings Ltd
MHCF	Mainland Holdings Crocodile Farm
N	Nitrogen
N HCL	Normality of hydrochloric acid
NH <sub>2</sub>	Amine group consisting of nitrogen bonded to two hydrogen group
OM	Organic matter
Rpm	Revolution per minute