Culture of striped trumpeter 
(Latris lineata) post-larvae

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Degree of

Doctor of Philosophy

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Declaration of originality

I declare that this thesis is my own work and has not been submitted in any form for another degree or diploma at any university or other institution of tertiary education. Information derived from the published or unpublished work of others has been acknowledged in the text and a list of references is given at the end of every chapter.

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Statement of ethical conduct

The research associated with this thesis abides by the international and Australian codes on human and animal experimentation, the guidelines by the Australian Government’s Office of the Gene Technology Regulator and the rulings of the Safety, Ethics and Institutional Biosafety Committees of the University.

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Statement of co-authorship

I declare that the content and the manuscripts published from this thesis are the products of my own work. I was responsible for executing experiments, sampling, data collection, laboratory analysis, analysing the data, writing draft manuscripts and thesis chapters, submission to peer review journals and incorporating revisions into the final written product.

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Chapter 3: Effects of temperature regime on growth and development of post-larval striped trumpeter (*Latris lineata*) (Choa, B.Y., Carter, C.G. and Battaglene, S.C. under review in *Aquaculture*)

Ross Goldsmid, Alan Beech, Karl van Drunen, Anna Overweter, Bill Wilkinson and Dr Gavin Shaw assisted me with the construction of the experimental system and during sampling. Dr Thomas Rodemann (University of Tasmania) performed the elemental analysis. Dr Sean Tracey (Marine Research Laboratories, Taroona) provided data on striped trumpeter post-larvae metamorphosis.
Chapter 4: Effects of ration and dietary lipid on growth and development of post-larval striped trumpeter (*Latris lineata*)

Ross Goldsmid, Alan Beech, Anna Overweter, Bill Wilkinson and Debbie Gardner assisted me during sampling days. Dr Thomas Rodemann (University of Tasmania) performed elemental analysis. Dr Robin Katersky (University of Tasmania) coordinated the manufacturing and analysis of diets used for the experiment.

Chapter 5: Modelling nutrient requirements of post-larval striped trumpeter (*Latris lineata*)

Dr Thomas Rodemann (University of Tasmania) performed elemental analysis on the samples.

Chapter 6: Chemical composition of striped trumpeter (*Latris lineata*) throughout its life-cycle

Dr Ashley Townsend (University of Tasmania) performed the elemental analysis via ICP-OES. Daniel Pountney (University of Tasmania) performed the acid digestion. Dr Thomas Rodemann (University of Tasmania) performed elemental analysis on the samples.
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