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Credibility and Validation through Syntheses of Customary and Contemporary Knowledge

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A Thesis presented for the Degree of
Doctor of Philosophy
in Maaori Studies,
Massey University, Wellington, New Zealand.

October 2007

The double vowel has been used for all te reo Maaori words in the thesis because that is the kawa or protocol of the Kiingitanga.

Acknowledgements

I take this opportunity to express my sincere appreciation to the encouragement provided through the Tainui Raupatu Education programme founded by the late Sir Robert Mahuta and supported by the late Te Arikinui Te Atairangikaahu. It was my published article in the inaugural Te Taarere aa Tawhaki Volume 1 Koroneihana 2001, Journal of the Waikato University that has laid the foundation stone for this research doctoral thesis. The article is titled: What are the potential benefits of eel consumption for Maaori health?

I thank Jenny Buxton as the Auckland University Philson Medical Librarian for her initial research assistance and Spencer Lilley from Massey University for his expertise in research assistance. I have appreciated the opportunity and generous financial support from the Health Research Council of New Zealand as a Doctoral Scholarship recipient.

I thank Professor Colin Mantel of Ngaai Tahu at Auckland University for his objectivity and special thanks to Professor Chris Cunningham o Ngaati Raukawa at the School of Maaori Health Research and Professor Mason Durie o Ngaati Kauwhata and Rangitane for their valued guidance and direction throughout my thesis compilation. More recently I express my gratitude to Dr Adreanne Ormond o Ngaati Tuwharetoa and Ngaati Kahungunu, a Director of the MAI the Maaori Doctoral Excellence at Auckland University, a Marsden Fund recipient and Co-Supervisor for this doctoral thesis.

Finally I thank my Kiingitanga whaanau and hapuu who believed in me and supported me (and continue to support me) unconditionally; it is anticipated that this research will contribute to holistic wellness through continuing education for our people in accordance with the Kiingitanga principles set by our tuupuna.

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	E. Pai Maarire Karakia.		

Abbreviations

AB	beta amyloid protein
ALA	linolenic acid
ANHMRC	Australian National Health and Medical Research Council
APEC	Asia Pacific Economic Co-operation Process formed in 1987
CE	Crown Entities
CVD	cardiovascular disease
DHA	docosahexaenoic acid
EECA	Energy Efficiency and Conservation Authority
EFA	essential fatty acids
EPA	eicosapentaenoic acid
HF	Heart Foundation of New Zealand (National)
HRCA	Health Research Council of Australia
HRCNZ	Health Research Council of New Zealand
IAPP	islet amyloid protein
MEDC	Maori Economic Development Commission
MLGS	Maori Land Grievance Settlements by the Waitangi Tribunal
MOF	Ministry of Fisheries
MOH	Ministry of Health
MRP	Mighty River Power
n-3	omega-3 fatty acid (an essential unsaturated fatty acid)
n-6	omega-6 fatty acid (an essential unsaturated fatty acid)
NIWA	National Institute of Weather and Atmosphere (New Zealand)
NZLC	New Zealand Law Commission
OECD	Organisation for Economic Co-operation and Development
PHC	Public Health Commission
PUFA	polyunsaturated fatty acids
TKB	Tuupuna Knowledge Base
TKBHI	Tuupuna Knowledge Base Health Intervention
TOW	Treaty of Waitangi 1840 (the English version)
TOW	Tiriti o Waitangi 1840 (the Maaori version)
TVNZ	Television New Zealand
US/USA	United States of America
TKB	Tuupuna Knowledge Base
TMTB	Tainui Maaori Trust Board
WT	Waitangi Tribunal

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Mihimihi

Teena koutou

Tuatahi e mihi ki te Atua.

Tuarua e mihi ki Te Kūini Te Atairangikaahu te kaahu Arikini,
raaua ko Te Kiingi Tuheitia.

Teena koutou, i o taatou tini mate, teena koutou, i o taatou tini mate,
haere e ngaa mate, haere, haere, haere.

Haere ki te wakina, haere ki te kainga tuuturu o taatou matua.

E hoa maa, ngaa hau e whaa, e te iwi tau nei, teena koutou, ara taatou.

Te whare e tu nei teena koe, te paapaa e takoto ki waho, teena koe.

Te whare e tu nei, te waonui o taane e tu, e tu.

Tonu te paapaa e taka hia ngaa tapuwae, o raatou ma, teena koe.

ko waka o Tainui tooku waka,

Ko Taupiri tooku maunga,

ko Taupiri tooku urupa,

ko Waikato tooku awa,

ko Marae o Tuurangawaewae tooku Marae,

ko Ngaati Mahuta raaua ko Ngaati Pou tooku Hapuu,

Ko McKay raaua ko Marshall tooku Whaanau,

Ko ahau teetehi a ngaa uri o Pootatau he Kiingi tuatahi, ko Maarie ahau.

Kua huihui mai i runga i te kaupapa o te raa.

Teena koutou, teena koutou, teena koutou katore.

Abstract

This ground breaking doctoral thesis brings together science, history and the values derived from lore and tikanga to address a significant health issue for contemporary Maaori. The specific contribution of this research thesis is the combination of knowledge bases from two perspectives. The thesis first presents a scientific view, then a Maaori view, discovered through an interface of customary and contemporary knowledge. The method first examines Western academic theoretical methodologies, then, Kaupapa Maaori methodologies, then introduces and develops the concept of inherited knowledge supported by the mandatory Standards required in an academic context. Therefore the major findings present the syntheses of the two approaches. The framework used is reproducible through an accepted or approved example of something against which others are judged or measured. At this point the thesis explores the theoretical framework for a health intervention by surveying whether it is possible to combine knowledge traditions in a contemporary setting. Thus the accessed inherited traditional and scientific knowledge discovered in this thesis has been adapted for the nine point health intervention designed for Maaori participation. This thesis hypothesises that the staple long finned eel diet contained the essential fatty acid omega-3 and is presented as a metaphor for Hauora, thus being consistent with modern scientific knowledge where the scientific findings presented. The long finned eel was chemically assayed for the presence of the unsaturated essential fatty acid omega-3, and assayed again to assess the stability and quality of fresh and smoked eel. Type II diabetes mellitus is offered as a story and why it has suddenly occurred in Maaori subsequent to urban migration and thereafter. In addition a ten year study of Waikato hapuu supports the research that regular consumption of the long finned eel prevents Type II diabetes. And that prior to urban migration holistic practice, through established lifestyle choices and inherited knowledge, provided nutritional, other physiological benefits and broader wellness outcomes.

The double vowel has been used for all te reo Maaori words in the thesis because that is the kawa or protocol of the Tainui Kiingitanga.