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LIST OF ABBREVIATIONS AND SYMBOLS

°C	degree celsius
TDS	total dissolved solid
DO	dissolved oxygen
COD	chemical oxygen demand
BOD	biochemical oxygen demand
NH ₃ -N	ammonia-nitrogen
NO ₂ -N	nitrite-nitrogen
NO ₃ -N	nitrate-nitrogen
PO ₄ -P	orthophosphate-phosphorus
TP	total phosphorus
TN	total nitrogen
ON	organic nitrogen
TKN	total kjeldahl nitrogen
C	carbon
N	nitrogen
P	phosphorus
mg mL ⁻¹	milligram per milliliter
mg L ⁻¹	milligram per liter
mg kg ⁻¹	milligram per kilogram
g L ⁻¹	gram per liter
μg g ⁻¹	microgram per gram

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LIST OF ABBREVIATIONS (continued) AND SAMBOLS

$\mu\text{g L}^{-1}$	microgram per liter
g mL^{-1}	gram per milliliter
$\mu\text{s cm}^{-1}$	microsemen per centimeter
Kw	kitchen wastewater
Sw	oil-extracted soybean fermented water
Zm	Zarrouk's medium
CD	commercial diet
RS	raw <i>Spirulina platensis</i>
GLA	gamma-linoleic acid
FAO	food and agriculture organization of the United Nations
AOAC	association of official analytical chemists
GSI	gonadosomatic index
DNA	deoxyribonucleic acid
NFE	nitrogen free extract
SL	standard length
BW	body weight
IR	ingestion rate
IE	ingestion efficiency
AR	assimilation rate
AE	assimilation efficiency

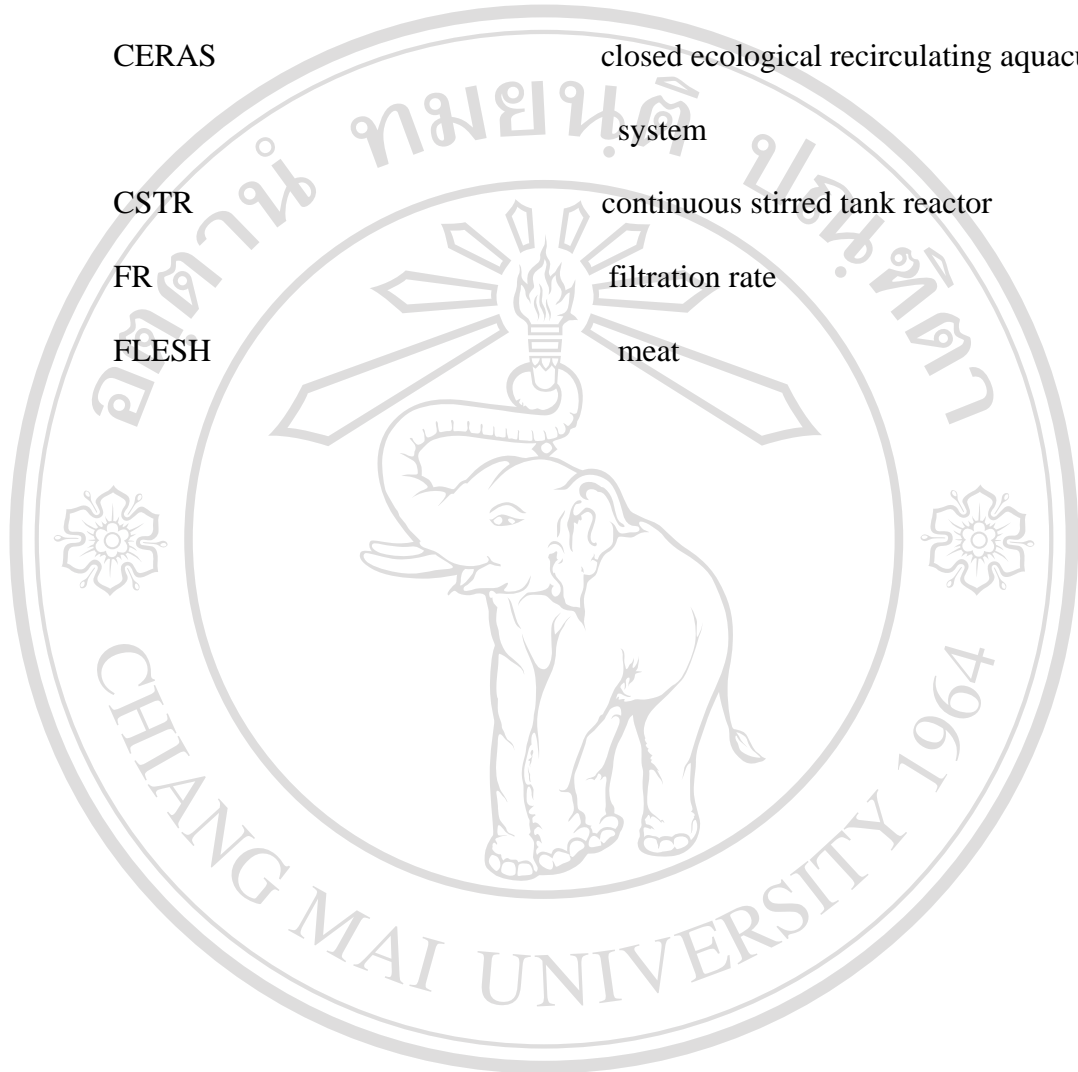
LIST OF ABBREVIATIONS (continued) AND SYMBOLS

CERAS closed ecological recirculating aquaculture system

CSTR continuous stirred tank reactor

FR filtration rate

FLESH meat



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