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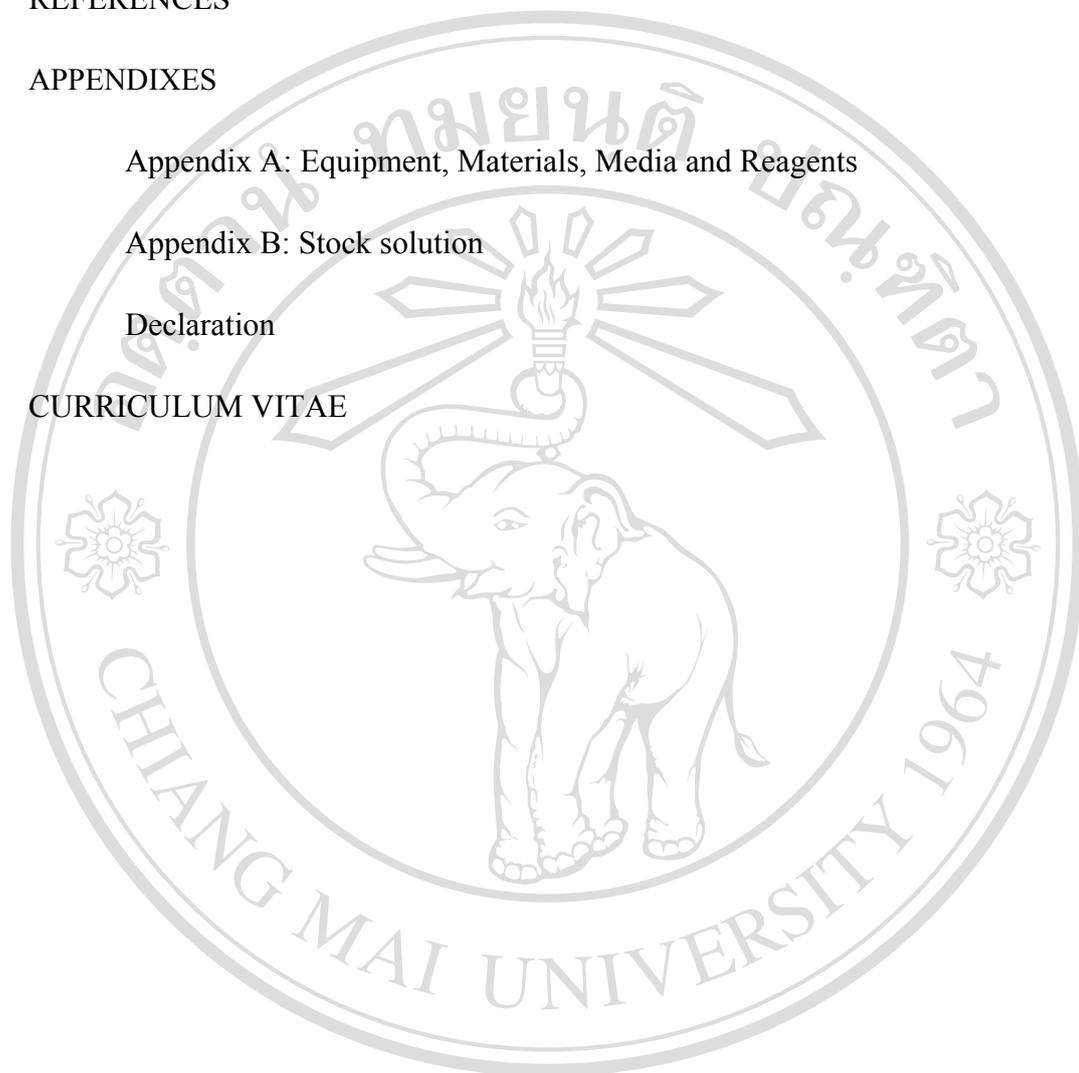
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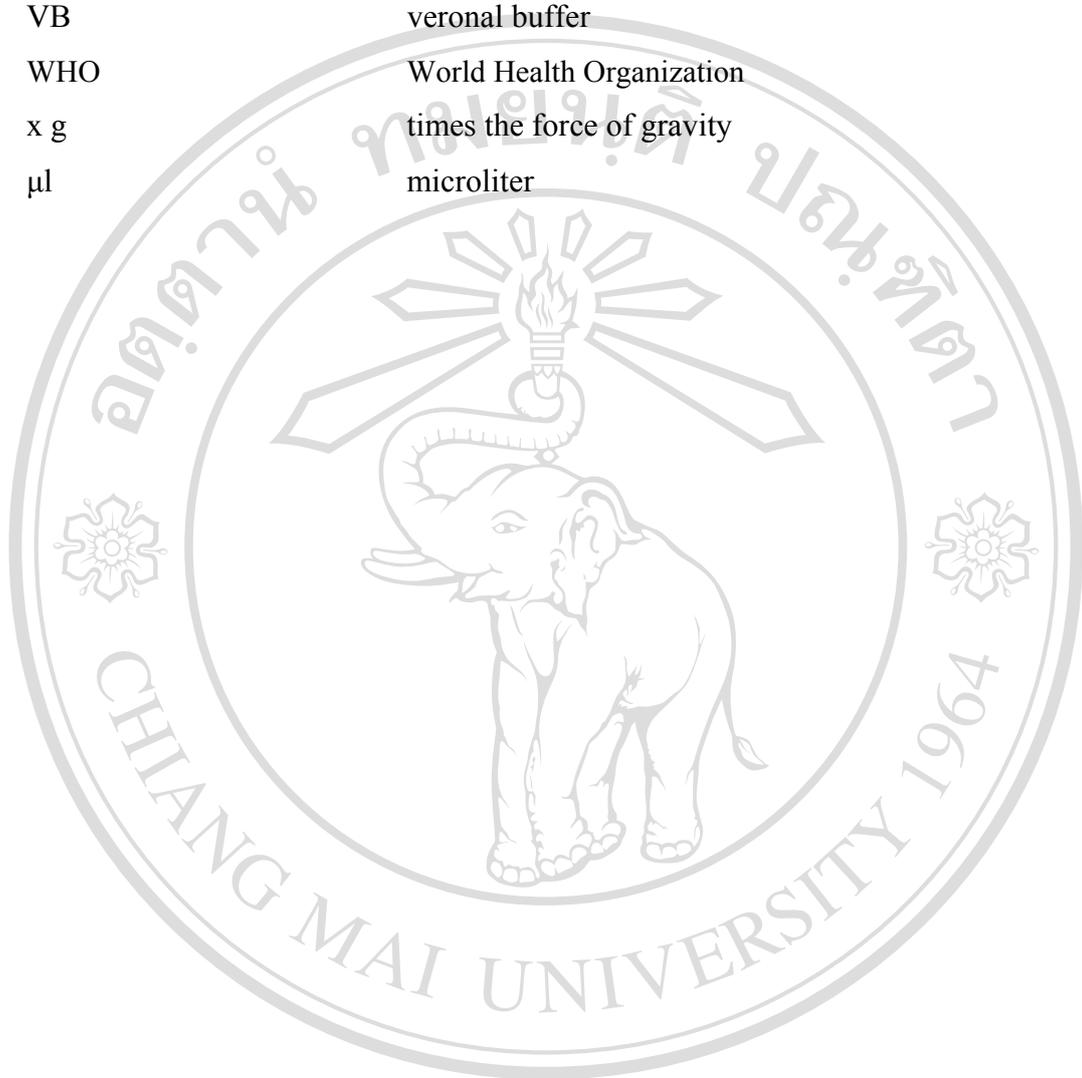
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LIST OF ABBREVIATIONS

A	Alanine
bp	base pair
C	Cysteine
°C	Degree Celcius
cDNA	compliment DNA
conc.	concentration
DNA	Deoxyribonucleic acid
EID ₅₀	Egg Infectious Dose 50
et al.	et alii
FBS	Fetal bovine serum
G	Glycine
HA test	haemagglutination test
HI test	haemagglutination inhibition test
HPAI	high pathogenic avian influenza
ISO	International Standardization Organization
LPAI	low pathogenic avian influenza
MDCK	Mardin Darby Canine Kidney Cell
ml	milliter
min.	minutes
mRNA	messenger RNA
ng	nanogram
No.	Number
PBS	phosphate-buffered saline
RNA	Ribonucleic acid
rpm	revolutions per minute
RT-PCR	reverse transcriptase-polymerase chain reaction

sec	seconds
T	Threonine
VB	veronal buffer
WHO	World Health Organization
x g	times the force of gravity
μ l	microliter



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Influenza Genes and Their Function

Gene	Segment	Size(nt)	Function
PB 2	1	2341	Transcriptase: cap binding
PB1	2	2341	Transcriptase: elongation
PA	3	2233	Transcriptase: vRNA replication
HA	4	1778	Haemagglutinin: Host cell attachment
NP	5	1565	Nucleoprotein: RNA binding, part of transcriptase complex, nuclear cytoplasmic transport of vRNA
NA	6	1413	Neuraminidase: viral release
M	7	1027	Matrix: M1 major component of virion M2 integral membrane protein-ion channel
NS	8	890	Nonstructural: NS1 nucleus; effects on cellular RNA transport, splicing, translation. Anti-interferon protein
NS2			also known as NEP (nuclear export protein)