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LIST OF ABBREVIATIONS

$(\text{NH}_4)_2\text{SO}_4$	Ammonium Sulphate
<i>A.xylinum</i>	<i>Acetobacter xylinum</i>
<i>A.xylinus</i>	<i>Acetobacter xylinus</i>
ANOVA	Analysis of Variance
$\text{C}_{12}\text{H}_{22}\text{O}_{11}$	Sucrose
Cel^-	Cellulose Non-producer
CFU	Colony Forming Unit
CMC	Carboxymethyl Cellulose
CO_2	Carbon dioxide
CSTR	Continuous Stirred Tank Reactor
DO	Dissolved Oxygen
GDH	Glucose Dehydrogenase
H^+	Hydrogen Ion
H_2S	Hydrogen Sulfide
KH_2PO_4	Pottasium Dehydrogen Phosphate
MARDI	Malaysian Agricultural Research and Development Institute
MgSO_4	Magnesium Sulphate
N_2	Nitrogen
NaOH	Natrium Hydroxide
NH_3	Ammonia
NO_3	Nitrate
OH^-	Hydroxyl Ion
PMMA	Poly-(methyl matacrylate)
PO_4	Phosphate

RBC	Rotating Biological Contactor
RDR	Rotary Discs Reactor
SEM	Scanning Electron Microscopy
SO ₄	Sulphate
S	Sulfur

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