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POZZOLANIC PROPERTIES OF HYDROTHERMAL
SILICA GEL EXTRACTED FROM SUGARCANE BAGASSE
USING ECO-FRIENDLY APPROACH

by

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LIST OF ABBREVIATIONS

AAS	Atomic Absorption Spectroscopy
ASR	Alkali Silica Reaction
BA	Bagasse Ash
BET	Brunauer–Emmett–Teller
BJH	Barrett-Joyner-Halenda
BSE	Backscattered Electron
CRM	Cement Replacement Material
C-S-H	Calcium- Silicate- Hydrate
CH	Calcium Hydrate
C ₃ A	Tricalcium Aluminate
C ₃ S	Dicalcium Silicate
EDX	Energy Dispersive X-ray
FESEM	Field Emission Scanning Electron Microscopy
FA	Fly Ash
GGBS	Ground Granulated Blast Furnace Slag
HCl	Hydrochloric Acid
LOI	Loss of Ignition
MK	Metakaolin
NMR	Nuclear Magnetic Resonance
NaOH	Sodium Hydroxide
OBA	Original Bagasse Ash
OPC	Ordinary Portland Cement
OSA	Oil Shale Ash
PAI	Pozzolanic Activity Index
POFA	Palm Oil Fuel Ash
PVP	Polyvinylpyrrolidone
RHA	Rice Husk Ash
SCBA	Sugarcane Bagasse Ash
SCM	Supplementary Cementitious Materials

SCSA	Sugarcane Straw Ash
SCWA	Sugarcane Waste Ash
SEM	Scanning Electron Microscopy
SF	Silica Fume
SS	Sodium Silicate
SSA	Specific Surface Area
TGA	Thermogravimetry Analysis
UNEP	United Nations Environment Programme
XRF	X-Ray Fluorescence
XRD	X-Ray Diffraction