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## LIST OF ABBREVIATION

|          |                                                                        |
|----------|------------------------------------------------------------------------|
| RHA      | Rice husk Ash                                                          |
| Ref.     | Reference                                                              |
| LTA      | Linde Type A                                                           |
| FAU      | Faujasite-type                                                         |
| CCUS     | Carbon Capture, Utilization, and Storage                               |
| ZSM-5    | Zeolite Socony Mobil                                                   |
| SCBA     | Sugarcane Bagasse Ash                                                  |
| h        | Hour                                                                   |
| nm       | Nanometer                                                              |
| D6Rs     | Double Six-Membered Ring                                               |
| MRs      | Membered Ring                                                          |
| EDXRF    | Energy Dispersive X-ray Fluorescence                                   |
| min      | Minute                                                                 |
| g        | Gram                                                                   |
| XRD      | X-ray diffraction                                                      |
| SEM-EDX  | Scanning electron microscopy with energy dispersive X-ray spectroscopy |
| FTIR-ATR | Attenuated Total Reflection Fourier Transform Infrared Spectroscopy    |
| BET      | Brunauer-Emmett-Teller                                                 |
| TPD      | Temperature-Programmed Desorption                                      |
| kPa      | Kilopascal                                                             |
| μm       | Micrometer                                                             |
| mg       | Milligram                                                              |
| EO       | Essential oils                                                         |
| MOFs     | Metal-Organic Frameworks                                               |
| MOR      | Mordenite                                                              |
| CD       | Cyclodextrins                                                          |

## LIST OF ABBREVIATIONS (Continued)

|        |                                               |
|--------|-----------------------------------------------|
| RPMs   | Recyclable Porous Material                    |
| EB     | Ethyl butyrate                                |
| FG     | Fragrance                                     |
| DL     | D-limonene                                    |
| EEO    | Eucalyptus Essential Oil                      |
| EO     | Essential oil                                 |
| MS     | Methyl salicylate                             |
| RH     | Rice husk                                     |
| TGA    | Thermogravimetric Analysis                    |
| rpm    | Revolutions Per Minute                        |
| pH     | Potential of Hydrogen                         |
| PP     | Polypropylene                                 |
| mL     | Millileter                                    |
| GC-FID | Gas Chromatography-Flame Ionization Detection |
| ppm    | Parts Per Million                             |
| μL     | Microliter                                    |