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(57) Abstract :
Habara Fiber (Natural fiber) is extracted from Habara Plant, which is commonly known as Cylindrical Snake plant. The Alkaline Solution used for treatment is Sodium Hydroxide (NaOH). The fibers extracted were treated with 5%, 10% and 15% NaOH to reduce moisture absorption and to increase the bonding strength. The fourier transform infrared spectrum analysis of habara fiber confirmed the elimination of hydroxyl sensitive groups present in the fiber. Increase in crystal size and index was observed between untreated and 5% NaOH treated habara fibers. Scanning electron microscope analysis showcase the elimination of amorphous constituents because the fiber surface is porous and presence of cavities were observed.

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