

**Degradation of Lignin Compound and Various
Substrate by Bacteria from Yellow-spotted
Longicorn Beetle, *Psacotha hilaris*
(Coleoptera; Cerambycidae)**

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The biodegradation of wood constituents is understood as a multienzymatic process. Several bacteria were isolated from the yellow-spotted longicorn beetle, *Psacotha hilaris*. The bacteria have an activity to degrade lignin compound of several kinds of wood.

Other enzymes, such as cellulose etc., isolated from the insect had effects on synergism and enhanced digestion of wood. The results might offer some clues to understand wood digestion mechanism in insects by biological coefficient enzymes.