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The Ecology of padang sapu-sapu, North Bangka

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The padang sapu-sapu ecosystem, which was reported as a degraded heath forest, has pecific characteristics. In Bangka and Belitung province, it is located near the beach, n the sandy and low nutrient soil. This report is a review of some studies conducted n North Bangka, which is suggested to have the largest padang sapu-sapu in the proince. This ecosystem is dominated by sapu-sapu (Baeckea frutescens L., Myrtaceae) - a mall tree of less than 6 m height -, Melaleuca cajuputi Roxb., and Syzygium bankese Hassk.) Merr & Perry. The sapu-sapu epidermal layer was the thickest among the hree dominant species. The Shannon-Wiener index of surface fauna was 2.06 - 2.34 vith 40 species belonging to Entomobryidae, Sminthuridae, and Gryllidae. The surace soil was dominated by predatory insects, in contrast to decomposers which were lominant in the nearby forest. There were 38 species of 12 families of Collembola in he ecosystem with Pararhopalites sp.1, Acrocyrtus sp.3, and Lepidosira sp.1 as potential vioindicators. The report recorded five families of Lepidoptera, and Geometridae was ound to be the dominant family. The highest average number of phosphate solubiizing bacteria colonies at 0-10 cm was 16.8 x 105 cell g-1 of which Pseudomonas sp.1 howed the highest phosphate solubilizing index.

