

ABSTRAK

BADI ANJANI. Keanekaragaman Jenis Anggrek Di Kawasan Kebun Raya Sambas Kecamatan Subah Kabupaten Sambas. Dibimbing oleh DWI ASTIANI dan WIWIK EKYASTUTI.

Kawasan Kebun Raya Sambas dikelilingi kebun kelapa sawit sehingga sering terjadi perusakan kawasan, perburuan liar, hingga pencurian koleksi tumbuhan salah satunya tumbuhan anggrek. Tujuan penelitian mendapatkan data keanekaragaman hayati jenis anggrek alam yang terdapat di Kebun Raya Sambas. Penelitian menggunakan metode survei dengan teknik sampling petak ganda yang diletakkan secara sistematis. Petak pengamatan berjumlah 12 petak yang tersebar di 3 tipe ekosistem berbeda, yaitu ekosistem hutan dataran rendah, hutan rawa, dan hutan riparian. Penelitian menemukan 21 jenis anggrek yang tersebar pada ekosistem hutan dataran rendah, hutan rawa, dan hutan riparian di Kebun Raya Sambas. Tingkat keanekaragaman anggrek di Kebun Raya Sambas termasuk sedang dengan nilai indeks Keanekaragaman Jenis (H') sebesar 2,39. Ketiga tipe ekosistem di Kebun Raya Sambas juga menunjukkan tingkat keanekaragaman yang tergolong sedang. Kesamaan jenis pada 3 tipe ekosistem di Kebun Raya Sambas termasuk rendah.

Kata kunci: ekosistem rawa dan riparian, hutan dataran rendah, keanekaragaman jenis, Kebun Raya Sambas, spesies anggrek

ABSTRACT

BADI ANJANI. The Diversity of Orchid Species in Sambas Botanical Garden Area Subah District Sambas Regency. Supervised by DWI ASTIANI and WIWIK EKYASTUTI.

Sambas Botanical Garden area is surrounded by oil palm plantations so a lot of problems emerging such as area destruction, poaching, and bringing out of plant collections include orchids species. The research aimed to record the diversity of natural orchids species in Sambas Botanical Garden. The research used survey method with double plots technique which is placed systematically. The total number of the sample plots is 12 were placed on 3 different types of ecosystems, namely lowland forest ecosystems, swamp forest, and riparian forest. The research found 21 orchid species scattered in lowland forest, swamp forest, and riparian forest in Sambas Botanical Garden. The level of diversity of orchids in Sambas Botanical Garden is medium range with Diversity Index (H') value is 2,39. The three types of ecosystems in the Sambas Botanical Garden also included in the medium category of diversity of orchid. However the species similarity in 3 types of ecosystems in the Sambas Botanical Garden is relatively low.

Keywords: lowland, orchid species, Sambas Botanical Garden, species diversity, swamp and riparian ecosystem