

ABSTRAK

TITA ASNITA. Keanekaragaman Jenis Kantong Semar (*Nepenthes* spp.) di Kawasan Cagar Alam Lo Pat Foen Pi Kecamatan Monterado Kabupaten Bengkayang. Dibimbing oleh YANIETA ARBIASTUTIE dan TRI WIDIASTUTI.

Penelitian dilaksanakan untuk mengetahui keanekaragaman jenis kantong semar (*Nepenthes* spp.) di Cagar Alam Lo Pat Foen Pi Kecamatan Monterado Kabupaten Bengkayang. Penelitian menggunakan teknik petak tunggal berukuran 20m × 20m sebanyak 20 unit secara *purposive sampling* dengan intensitas sampling 10%. Jenis yang ditemukan adalah *Nepenthes ampullaria* (INP = 45,269%), *Nepenthes gracilis* (INP = 107,071%) dan *Nepenthes mirabilis* (INP = 47,660%) dengan total individu sebanyak 2662. Nilai H' tertinggi adalah *Nepenthes ampullaria* (0,152) dan yang terendah *Nepenthes mirabilis* (0,110) yang terdefiniskan memiliki keanekaragaman jenis rendah. Nilai Indeks Kemerataan Jenis (e) tertinggi adalah *Nepenthes ampullaria* (0,319) dan terendah *Nepenthes mirabilis* (0,231) yang artinya kelimpahannya tidak merata. Nilai Indeks Dominansi (C) terendah adalah *Nepenthes mirabilis* (0,014) dan tertinggi *Nepenthes gracilis* (0,382) serta terdefiniskan dominansi kantong semar tersebut rendah. Kantong semar tersebut tumbuh di ekosistem rawa gambut dengan kondisi suhu udara 28,6°C - 30,8°C, kelembaban udara 84,1% - 92,4%, suhu tanah 24,3°C - 25,7°C, kelembaban tanah 5% - 40%, pH tanah 5,6 - 7 dan intensitas cahaya 430 Lx - 3330 Lx.

Kata kunci : keanekaragaman jenis, kantong semar, cagar alam, Lo Pat Foen Pi.

TITA ASNITA. Diversity of *Nepenthes* spp. in the Lo Pat Foen Pi Nature Reserve, Monterado District, Bengkayang Regency. Supervised by YANIETA ARBIASTUTIE and TRI WIDIASTUTI.

The research was conducted to determine the diversity of *Nepenthes* spp. in the Lo Pat Foen Pi Nature Reserve, Monterado District, Bengkayang Regency. The study used a single plot technique measuring 20m × 20m in a total of 20 units by *purposive sampling* with a sampling intensity of 10%. The species found were *Nepenthes ampullaria* (INP = 45.269%), *Nepenthes gracilis* (INP = 107.071%), and *Nepenthes mirabilis* (INP = 47.660%) with a total of 2662 individuals. The highest H' value was *Nepenthes ampullaria* (0.152) and the lowest was *Nepenthes mirabilis* (0.110) which was defined as having low species diversity. The highest Evenness Index (e) value is *Nepenthes ampullaria* (0.319) and the lowest is *Nepenthes mirabilis* (0.231), which means that the abundance is not evenly distributed. The lowest Dominance Index (C) value is *Nepenthes mirabilis* (0.014) and the highest is *Nepenthes gracilis* (0.382) and it is defined as low dominance of the pitcher plant. The pitcher plants grow in a peat swamp ecosystem with air temperature conditions of 28.6 °C - 30.8 °C, air humidity 84.1% - 92.4%, soil temperature 24.3 °C - 25.7 °C, soil moisture 5% - 40%, soil pH 5.6 - 7 and light intensity 430 Lx - 3330 Lx.

Keywords: species diversity, pitcher plant, nature reserve, Lo Pat Foen Pi.