

RINGKASAN

Hutan Harapan Jambi merupakan hutan dataran rendah yang terletak di dua provinsi di Sumatra Selatan dan Jambi, hutan yang dengan luas ± 100.000 ha. Setiap tahun hutan terus mengalami kerusakan akibat kebakaran liar, tahun 2019 terjadi kebakaran di beberapa lokasi seperti Sungai Lalan, Sungai Kandang, KM 47, KM 51 dan Sungai Sawo. Kawasan Hutan Harapan termasuk kedalam hutan sekunder. Penelitian ini dilakukan di dua habitat yaitu di hutan sekunder dan lahan terbuka, hutan sekunder dilokasi Sungai Bambu Hitam dan lahan terbuka di sungai Sawo. Tujuan penelitian yaitu mengetahui jenis-jenis, indeks keanekaragaman, indeks kemerataan, indeks dominasi, dan indeks kesamaan.

Penelitian ini menggunakan metode *Visual Encounter Survey* (VES) yang dikombinasikan dengan transek. Transek dibuat pada dua habitat yaitu Sungai bambu Hitam dibuat tiga transek dan Sungai Sawo dibuat tiga transek. Penelitian dilakukan pada bulan November-Desember 2020. Amfibi yang ditemukan sebanyak 108 individu dengan 13 spesies 10 genus dan 4 famili (Dicroglossidae, Microhylidae, Ranidae dan Rhacophoridae). Habitat Bambu Hitam 10 spesies terdiri dari (*Occidozyga sumatrana*, *Limnonectes malesianus*, *Limnonectes paramacrodon*, *Limnonectes* sp. *Amnirana nicobariensis*, *Pulchrana picturata*, *Odorana hosii*, *Polypedates leucomystax*, *Polypedates macrotis*). Habitat Sungai Sawo 7 spesies terdiri dari (*Occidozyga sumatrana*, *Fejerfarya cancrivora*, *Limnonectes paramacrodon*, *Limnonectes* sp. *Microhyla heymonsi* *Amnirana nicobariensis*, *Hylarana erythraea*).

Dari hasil penelitian didapatkan indeks keanekaragaman, kemerataan dan dominasi amfibi ordo anura di dua habitat. Indeks keanekaragaman di habitat Sungai Bambu Hitam senilai $H' = 2,06$ indeks kemerataan senilai $E = 0,89$ dan indeks dominasi $D = 0,14$. Habitat di Sungai Sawo indeks keanekaragaman mendapatkan nilai $H' = 1,46$ indeks kemerataan senilai $E = 0,75$ indeks dominasi $D = 0,27$ dan indeks kesamaan 47%.

SUMMARY

Hutan Harapan Jambi is a lowland forest located in two provinces in South Sumatra and Jambi, covering an area of 100,000 ha. Every year the forest continues to be damaged by wildfires, in 2019 fires occurred in several locations such as the Lalan River, Kandang River, KM 47, KM 51 and Sungai Sawo. The Hutan Harapan area is included in the secondary forest. This research was conducted in two habitats, namely in secondary forest and open land, secondary forest in the location of the Bambu Hitam River and open land in the Sawo River. The purpose of this research is to know the species, diversity index, evenness index, dominance index and similarity index.

This study uses the *Visual Encounter Survey* (VES) method combined with transects. Transects were made in two habitats, namely Sungai Bambu Hitam made three transects and Sungai Sawo made three transects. The study was conducted in November-December 2020. The amphibians found were 108 individuals with 13 species, 10 genus and 4 family (Dicroglossidae, Microhylidae, Ranidae and Rhacophoridae). The habitat of the Black Bamboo consists of 10 species (*Occidozyga sumatrana*, *Limnonectes maleianus*, *Limnonectes paramacrodon*, *Limnonectes sp.*, *Amnirana nicobariensis*, *Pulchrana picturata*, *Odorana hosii*, *Polypedates leucomystax*, *Polypedates macrotis*). The habitat of the Sawo River consists of 7 species (*Occidozyga sumatrana*, *Fejervarya cancrivora*, *Limnonectes paramacrodon*, *Limnonectes sp.*, *Microhyla heymonsi*, *Amnirana nicobariensis*, *Hylarana erythraea*).

From the results of the study, it was found that the index of diversity, evenness and dominance of amphibians of the order Anura in two habitats. The diversity index in the Sungai Bambu Hitam habitat is $H' = 2.06$, the evenness index is $E = 0.89$ and the dominance index $D = 0.14$. Habitat in Sungai Sawo, the diversity index has a value of $H' = 1.46$, an evenness index of $E = 0.75$, a dominance index of $D = 0.27$ and a similarity index of 47%.