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Kajian Tingkat Kadar Pirit (FeS_2) Tanah Pada Lahan Rawa Pasang Surut di Desa Barambai Kolam Kiri, Kabupaten Barito Kuala, Kalimantan Selatan

Study of Soil Pyrite Level on Tidal Swamp Land in Barambai Kolam Kiri Village, Barito Kuala Regency, South Kalimantan

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Abstract: South Kalimantan is a potential region of Indonesia to develop local rice plants with adaptation to tidal swamp. This study aimed to identify the level of soil pyrite on tidal swamp land in BarambaiKolamKiri Village, Barito Kuala Regency, South Kalimantan. The method used in this research was a survey method in which observation and soil sample were taken systematically based on soil depth. Soil sampling for the direct qualitative test was carried out using a soil auger. Soil profile for observation of soil morphological characteristics was determined based on the result of the soil auger data. The data of soil resulted from field and laboratory analysis were used to compare soil characteristics and level of soil pyrite among horizon. The morphological soil characteristics observation in tidal swamp land showed that the profile thickness was 0-120 cm, there are two types of horizon including horizon A and B, soil color was grayish brown to dark gray, texture was sandy loam and clay loam, and soil consistency were sticky and plastic. Based on the six soil layers tested, three different pyrite levels were identified: low, medium and high. The results of this study will be used to develop local rice plants with adaptation to high pyrite in tidal swamp land.

Keywords: Soil pyrite level, tidal swamp land
Keterangan: Artikel tidak dipublikasikan di Proceeding Biology Education Conference Vol. 1 5 (1) Oktober 2018

1. DISKUSI

Penanya :Prof.Widodo,S.Si.,M.Si.,Ph.D.Med.Sc
Pertanyaan :
Padalahanawapasangsurutdenganadanyakadar FeS2 nyatinggisehingga Fe nyatinggi. Apakahdianalisismikobanya? Serta bagaimana proses bioregerasinya?
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Saran : Prof.Widodo,S.Si.,M.Si.,Ph.D.Med.Sc
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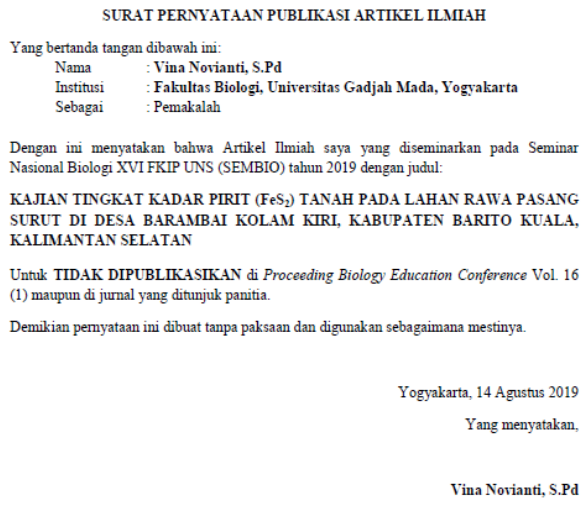

SURAT PERNYATAAN PUBLIKASI ARTIKEL ILMIAH

Yang bertanda tangan dibawah ini:
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Sebagai : Pemakalah

Dengan ini menyatakan bahwa Artikel Ilmiah saya yang diseminarkan pada Seminar Nasional Biologi XVI FKIP UNS (SEMBIO) tahun 2019 dengan judul:

KAJIAN TINGKAT KADAR PIRIT (FeS_2) TANAH PADA LAHAN RAWA PASANG SURUT DI DESA BARAMBAI KOLAM KIRI, KABUPATEN BARITO KUALA, KALIMANTAN SELATAN

Untuk **TIDAK DIPUBLIKASIKAN** di *Proceeding Biology Education Conference* Vol. 16 (1) maupun di jurnal yang ditunjuk panitia.

Demikian pernyataan ini dibuat tanpa paksaan dan digunakan sebagaimana mestinya.

Yogyakarta, 14 Agustus 2019

Yang menyatakan,

Vina Novianti, S.Pd