

PENILAIAN POTENSI GENANGAN DAN BANJIR DAS OBA KECAMATAN OBA UTARA KOTA TIDORE KEPULAUAN.

Inka Kristi Mendome dibawah bimbingan Asrul Dedy Ali Hasan SP., M.P dan
Amiruddin Teapon S.P. M,Si
Program Studi Ilmu Tanah
Fakultas Pertanian Universitas Khairun
Email : inkakristimendome@gmail.com

ABSTRAK

Penelitian ini bertujuan untuk menganalisis karakteristik DAS Oba dan menilai indeks potensial banjir DAS Oba. Penelitian ini dilakukan agar pihak yang berkepentingan dapat memperoleh data tentang kerentanan potensi banjir dan kerawanannya di daerah Oba dan upaya yang dilakukan pada daerah aliran sungai, karena itu manfaat yang dapat diperoleh dari hasil penelitian ini dapat digunakan sebagai informasi dalam melakukan mitigasi bencana banjir. Penelitian ini dilaksanakan di DAS Oba Kecamatan Oba Utara Kota Tidore Kepulauan yang berlangsung pada bulan Februari sampai April 2021. Analisis tanah meliputi permeabilitas tanah, tekstur, berat isi. Karakteristik fisik hidrologi di DAS Oba demikian dapat meningkatkan potensi banjir sedangkan Indeks potensial banjir (FFPI) di DAS Oba pada tiga tahun simulasi menunjukkan potensi banjir didominasi oleh kategori sedang dan tinggi. Penelitian Karakteristik Hidrologi dan Potensi Banjir DAS Oba Tidore Kepulauan meningkatkan pemahaman hidrologi dan potensi banjir khususnya di Maluku Utara. Hasil penelitian dapat digunakan sebagai panduan para pembuat kebijakan dalam memilih strategi pengelolaan akan kemungkinan kejadian banjir bandang di masa depan.

Kata Kunci : Karakteristik DAS, Potensi Genangan Banjir, DAS Oba.

ASSESSMENT OF POTENTIAL FLOOD AND INUNDATION IN THE OBA WATERSHED, NORTH OBA DISTRICT, TIDORE ISLANDS CITY

Inka Kristi Mendome, Supervised By Asrul Dedy Ali Hasan SP., M.P and

Amiruddin Teapon S.P. M,Si

Soil Science Study Program

Faculty of Agriculture, University of Khairun Ternate

Email : inkakristimendome@gmail.com

ABSTRACT

This study aims to analyze the characteristics of the Oba watershed and assess the flood potential index of the Oba watershed. This study was conducted so that interested parties can obtain data on potential flood vulnerability and vulnerability in the Oba area and the efforts made in the watershed, therefore the benefits that can be obtained the results of this study can be used as information in mitigating flood disasters. This research was carried out in the Oba watershed, North Oba District, Tidore Islands City which took place from February to April 2021. Soil analysis included soil permeability, texture, density. The physical characteristics of the hydrology in the Oba watershed can increase the potential for flooding, while the flood potential index (FFPI) in the Oba watershed in three years of simulation shows that the flood potential is dominated by the medium and high categories. Research on Hydrological Characteristics and Flood Potential of the Oba Tidore Archipelago Watershed improves understanding of hydrology and flood potential, especially in North Maluku. The results of the study can be used as a guide for policy makers in choosing a management strategy for possible flash floods in the future.

Keywords : Watershed Characteristics, Flood Inundation Potential, Oba Watershed.