

## ABSTRAK

Rahman, Zulfikar. (2022). *Eksplorasi Etnomatematika pada Tarian Dikir Barat di Pulau Kasu*. Skripsi. Program Studi Pendidikan Matematika Fakultas Keguruan dan Ilmu Pendidikan Universitas Maritim Raja Ali Haji. Tanjungpinang. Pembimbing I: Assist. Prof. Puji Astuti, S.Pd., M.Sc. Pembimbing II: Assist. Prof. Metta Liana, S.Pd., M.Pd.

**Kata Kunci:** Eksplorasi, Etnomatematika, Tarian, Dikir Barat, Pulau Kasu.

Tujuan penelitian adalah untuk mendeskripsikan temuan etnomatematika pada gerak tari Dikir Barat di Pulau Kasu. Jenis Penelitian yang digunakan ialah penelitian kualitatif dengan pendekatan etnografi. Teknik pemilihan subjek yang digunakan pada penelitian ini ialah teknik *purposive sampling*, penelitian ini dilakukan di sanggar Hasbyallah Kelurahan Kasu Kecamatan Belakang Padang, Kota Batam. Teknik pengumpulan data dilakukan dengan cara observasi, wawancara dan dokumentasi dengan instrumen utama yaitu peneliti itu sendiri (*human instrument*) serta instrumen pendukung yaitu lembar observasi dan wawancara. Hasil penelitian ini menunjukkan: 1. Terdapat beberapa aktivitas matematika dalam Tarian Dikir Barat di Pulau Kasu yaitu aktivitas mengukur dan menghitung. 2. Hasil eksplorasi etnomatematika pada Tarian Dikir Barat di Pulau Kasu peneliti menemukan beberapa konsep matematika berupa konsep sudut, transformasi gerakan geometri, garis dan konsep bangun datar.



## ABSTRACT

Rahman, Zulfikar. (2019). *Ethnomathematical Exploration of the West Dikir Dance on Kasu Island*. Thesis. Department of Mathematics Education Faculty of Teacher Training and Education University of Maritim Raja Ali Haji. First Advisor : Assist. Prof. Puji Astuti, S.Pd., M.Sc. Second Advisor: Assist. Prof. Metta Liana, S.Pd., M.Pd.

**Keyword:** Exploration, Ethnomathematical, Dance, West Dikir, Kasu Island.

The purpose of the study was to describe the ethnomathematical findings of the West Dikir dance movement on Kasu Island. The type of research used is qualitative research with an ethnographic approach. The subject selection technique used in this research is the purposive sampling technique, and this research was conducted on Kasu Island, namely the Hasbyallah studio, which is one of the villages in the District of Back Padang, Batam City. The data collection technique was done by means of observation, interviews and documentation with the main instrument, namely the researcher himself (human instrument) and supporting instruments, namely observation sheets and interviews. The results of this study indicate 1. There are several mathematical activities in the West Dikir dance on Kasu Island, namely measuring and counting activities. 2. The results of the ethnomathematical exploration of the West Dikir dance on Kasu Island, the researchers found several mathematical concepts in the form of the concept of angles, geometric transformations, lines and the concept of flat shapes.

