

## **ABSTRAK**

**Sri R. Naser**, 2022. Etnomatematika pada Permainan Cenge-Cenge Sebagai Media Pembelajaran Matematika. Skripsi, Program Studi Pendidikan MIPA Fakultas Keguruan dan Ilmu Pendidikan Universitas Khairun Ternate, Di bawah bimbingan **Dr. Soleman Saidi, S.Pd.,M.Si.** dan **Fitriana Eka Chandra, S.Pd.,M.Pd.**

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Etnomatematika merupakan strategi pembelajaran dengan mengaitkan unsur budaya dalam pelajaran matematika. Pembelajaran berbasis etnomatematika ini sangat penting untuk menanamkan nilai-nilai karakter sekaligus memupuk rasa cinta anak terhadap budaya lokal yang selama ini sudah mulai ditinggalkan karena kemajuan teknologi. Penelitian ini bertujuan untuk mendeskripsikan unsur-unsur etnomatematika yang terkandung didalam permainan cenge-cenge kemudian dijadikan sebagai media pembelajaran matematika dalam bentuk LKS. Penelitian ini menggunakan jenis penelitian etnografi dengan pendekatan kualitatif. Fokus penelitian ini yaitu petak permainan *cenge-cenge*, gaco pemain, aturan bermain, dan pemain *cenge-cenge*. Teknik pengumpulan data yang digunakan adalah observasi, wawancara, dan dokumentasi. Penelitian ini menggunakan analisis data *triangulasi* yang terdiri dari reduksi data, penyajian dan penarikan kesimpulan. Hasil penelitian menunjukkan terdapatnya unsur-unsur etnomatematika pada permainan *cenge-cenge* berupa geometri, konsep hubungan antar sudut, konsep logika matematika, dan konsep peluang.

**Kata kunci:** Etnomatematika; permainan cenge-cenge

## **ABSTRACT**

**Sri R. Naser**, 2022. Ethnomathematics in Whiny Games as a Medium for Learning Mathematics. The thesis is “Mathematics Education Study Program”. The Department of Mathematics and Natural Sciences, Faculty Training and Education, Khairun University, Ternate. Under **Dr. Soleman Saidi, S.Pd.,M.Si.** and **Fitriana Eka Chandra, S.Pd.,M.Pd.**

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Ethnomathematics is a learning strategy performed by linking cultural elements in mathematics. Learning-based ethnomathematics is highly important to instil character values as well as fostering children's love for the local culture which has been starting to be abandoned because of technological advances. The study aims to describe the mathematical elements contained in the traditional game of Cenge-Cenge, then used as a medium for learning mathematics in the form of LKS. This research uses ethnographic research with a qualitative approach. The focus of this research is the arena of cenge-cenge, players' gaco, rules of the games, and cenge-cenge players themselves. Data collection techniques used were observation, interviews, field notes, and documentation. This research uses triangulation data analysis consisting of data reduction, presentation, and conclusion drawing. The results showed the existence of mathematical elements in the game of cenge-cenge in the form of field geometry, the concept of relationships between angles, the concept of mathematical logic, and the concept of probability.

**Keywords:** cenge-cenge traditional games; ethnomathematics