

ABSTRAK

Wulandari, Matea Septiana. 2023. Kajian Etnomatematika Pada Bakpia Pathok 25 dan Penggunaannya Pada Rancangan Pembelajaran Berbasis Masalah Dengan Materi Aritmetika Sosial Kelas VII SMP. Skripsi. Program Studi Pendidikan Matematika, Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma.

Penelitian ini bertujuan untuk mendeskripsikan mengenai (1) sejarah Bakpia Pathok 25, (2) aspek filosofis Bakpia Pathok 25, (3) proses pembuatan bakpia di Bakpia Pathok 25, (4) proses pemasaran di Bakpia Pathok 25, (5) aktivitas fundamental matematis yang terkait dengan Bakpia Pathok 25, dan (6) rancangan pembelajaran aritmetika sosial yang berbasis etnomatematika dengan konteks Bakpia Pathok 25 menggunakan model Pembelajaran Berbasis Masalah untuk peserta didik kelas VII SMP.

Jenis penelitian ini adalah penelitian deskriptif dengan pendekatan kualitatif. Subjek penelitian ini adalah (1) direktur Bakpia Pathok 25, (2) humas Bakpia Pathok 25, (3) pembuat Bakpia Pathok 25, (4) wisatawan Bakpia Pathok 25 dan (5) guru matematika SMP. Objek penelitian ini adalah (1) sejarah Bakpia Pathok 25, (2) aspek filosofis Bakpia Pathok 25, (3) proses pembuatan bakpia di Bakpia Pathok 25, (4) proses pemasaran di Bakpia Pathok 25, (5) aktivitas fundamental matematis yang terkait dengan Bakpia Pathok 25, dan (6) rancangan pembelajaran aritmetika sosial yang berbasis etnomatematika dengan konteks Bakpia Pathok 25 menggunakan model Pembelajaran Berbasis Masalah. Metode penelitian yang digunakan adalah (1) wawancara, (2) observasi, dan (3) dokumentasi. Analisis data yang digunakan adalah (1) reduksi data, (2) penyajian data, (3) penarikan kesimpulan dan verifikasi.

Hasil penelitian ini adalah awal mula (1) sejarah berdirinya Bakpia Pathok 25 di Kampung Pathok, (2) aspek filosofi Bakpia Pathok 25 mengenai perubahan nama usaha dari 38 menjadi 25. (3) Proses pembuatan Bakpia Pathok 25 terdiri dari proses pengupasan kacang hijau, proses penumbukan, proses pengukusan, proses pembuatan kulit bakpia, proses merangkai bakpia, proses memanggang bakpia, dan proses pengemasan, (4) Proses pemasaran Bakpia Pathok 25 yaitu melalui 8 cabang resmi di Yogyakarta, (5) aktivitas fundamental matematis pada Bakpia Pathok 25 yaitu a) *Counting*, yaitu banyaknya alat dan bahan untuk membuat bakpia, b) *Measuring* yaitu waktu pengadaan bahan, c) *Locating* yaitu lokasi pemasaran Bakpia Pathok 25, d) *Designing* yaitu desain kemasan Bakpia Pathok 25, e) *Playing* yaitu strategi pemasaran Bakpia Pathok 25, dan f) *Explaining* yaitu sejarah berdirinya Bakpia Pathok 25. Dari konteks Bakpia Pathok 25 tersebut, peneliti (6) merancang pembelajaran menggunakan model Pembelajaran Berbasis Masalah pada materi aritmetika sosial yang terdiri dari dua pertemuan.

Kata kunci : etnomatematika, Bakpia Pathok 25, aktivitas fundamental matematis, Pembelajaran Berbasis Masalah, aritmetika sosial

ABSTRACT

Wulandari, Matea Septiana. 2023. Ethnomathematics Study on Bakpia Pathok 25 and Its Use in Problem Based Learning Designs with Social Arithmetic Materials for Grade VII Junior High School. Undergraduate. Mathematics Education Study Program, Department of Mathematics and Natural Sciences Education, Faculty of Teacher Training and Education, Sanata Dharma University.

This study aims to describe (1) the history of Bakpia Pathok 25, (2) the philosophical aspects of Bakpia Pathok 25, (3) the process of making bakpia in Bakpia Pathok 25, (4) the marketing process in Bakpia Pathok 25, (5) mathematical fundamental activities related to Bakpia Pathok 25, and (6) an ethnomathematics-based social arithmetic learning design with the context of Bakpia Pathok 25 using a Problem-Based Learning model to class VII students of junior high school.

This type of research is descriptive research with a qualitative approach. The subjects of this study were (1) the director of Bakpia Pathok 25, (2) the publicist of Bakpia Pathok 25, (3) the creators of Bakpia Pathok 25, (4) tourists Bakpia Pathok 25 and (5) junior high school mathematics teachers. The objects of this research are (1) the history of Bakpia Pathok 25, (2) the philosophical aspects of Bakpia Pathok 25, (3) the process of making bakpia in Bakpia Pathok 25, (4) the marketing process in Bakpia Pathok 25, (5) the fundamental mathematical activities related to Bakpia Pathok 25, and (6) the design of social arithmetic learning based on ethnomathematics in the context of Bakpia Pathok 25 using the Problem Based Learning model. The research methods used were (1) interviews, (2) observation, and (3) documentation. The data analysis used is (1) data reduction, (2) data presentation, (3) drawing conclusions and verification.

The results of this study are the beginnings of (1) the history of the founding of Bakpia Pathok 25 in Pathok Village, (2) philosophical aspects of Bakpia Pathok 25 regarding the change of business name from 38 to 25. (3) The process of making Bakpia Pathok 25 consists of the process of peeling green beans, the process of pounding, the process of steaming, the process of making bakpia skin, the process of assembling bakpia, the process of baking bakpia, and the packaging process, (4) The process of marketing Bakpia Pathok 25, namely through 8 official branches in Yogyakarta, (5) fundamental mathematical activities in Bakpia Pathok 25, namely a) Counting, namely the number of tools and materials to make bakpia, b) Measuring, namely the time to procure materials, c) Locating, namely Bakpia Pathok 25 marketing locations, d) Designing, namely Bakpia Pathok 25 packaging design, e) Playing, namely Bakpia Pathok 25 marketing strategy, and f) Explaining, namely the history of the establishment of Bakpia Pathok 25. From the context of Bakpia Pathok 25 of these, researchers (6) designed learning to use the Problem-Based Learning model on social arithmetic material which consisted of two meetings.

Keywords : *ethnomathematics, Bakpia Pathok 25, fundamental mathematical activity, Problem-Based Learning, social arithmetic*