

## ABSTRAK

**Petrus Kanisius Abiyasa. Kajian Etnomatematika pada Aktivitas Pertanian di Kecamatan Prambanan, Sleman, Daerah Istimewa Yogyakarta. Skripsi. Program Studi Pendidikan Matematika. Universitas Sanata Dharma Yogyakarta.**

Penelitian ini bertujuan untuk (1) mengetahui sejarah dan perkembangan pertanian di Kecamatan Prambanan, (2) mengetahui penggunaan paham-paham tradisional dan perhitungan-perhitungan tradisional pada aktivitas pertanian di Kecamatan Prambanan, (3) mengetahui aktivitas fundamental matematis menurut Bishop yang terdapat pada aktivitas pertanian di Kecamatan Prambanan, (4) mengetahui aspek-aspek matematis apa saja yang terdapat pada aktivitas pertanian di Kecamatan Prambanan, yang dapat digunakan dalam pembelajaran matematika di SMP.

Jenis penelitian yang digunakan pada penelitian ini adalah penelitian deskriptif kualitatif. Objek dalam penelitian ini adalah aktivitas pertanian yang dilakukan oleh petani di kalangan masyarakat Kecamatan Prambanan.

Hasil penelitian menunjukkan bahwa terdapat aspek sejarah, budaya, dan matematis. Pada aspek matematis ditemukan aktivitas fundamental matematis menurut Bishop yaitu *locating*, *designing*, *measuring*, *counting*, *explaining*, dan *playing*. Aspek matematis yang ditemukan ini dapat diterapkan dalam materi pembelajaran matematika tingkat SMP.

Kata kunci: Aktivitas Pertanian, Etnomatematika, Aktivitas Fundamental Matematis

## ABSTRACT

**Petrus Kanisius Abiyasa. Ethnomathematics Study on Agricultural Activities in Prambanan District, Sleman, Special Region of Yogyakarta. Undergraduate Thesis. Mathematics Education Study Program. Sanata Dharma University Yogyakarta.**

The aims of this research were (1) to find out the history and development of agriculture in Prambanan Subdistrict, (2) to find out the use of traditional understandings and traditional calculations on agricultural activities in Prambanan Subdistrict, (3) to find out the fundamental mathematical activities according to Bishop in activities agriculture in Prambanan Subdistrict, and (4) to know what mathematical aspects were found in agricultural activities in Prambanan District, which can be used in mathematics learning in junior high school

Type of research used in this study was descriptive qualitative research. The object of this research were agricultural activities carried out by farmers in the Prambanan District community.

The results of this study showed that there were historical, cultural and mathematical aspects. In the mathematical aspect found fundamental mathematical activity according to Bishop, namely locating, designing, measuring, counting, explaining, and playing. The found mathematical aspects could be applied in junior high school mathematics learning material.

Keywords: Agricultural Activities, Ethnomathematics, Mathematical Fundamental Activities