

**INVENTARISASI PENGETAHUAN ETNOKIMIA TENTANG BAHAN-
BAHAN *BOREH ANGET* MENURUT LONTAR *USADA TARU PRAMANA*
SEBAGAI BAHAN PELENGKAP PEMBELAJARAN KIMIA DI SMK
FARMASI**

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ABSTRAK

Penelitian ini bertujuan untuk mendeskripsikan dan menjelaskan jenis tanaman dan kandungan kimia serta manfaat tanaman obat bahan-bahan *boreh anget* menurut lontar *Usada Taru Pramana* yang potensial diintegrasikan ke dalam pembelajaran kimia di SMK Farmasi. Jenis penelitian ini berupa penelitian deskriptif dengan menggunakan pendekatan kualitatif. Subjek penelitian berupa transkrip lontar *Usada Taru Pramana*, praktisi herbal, buku dan jurnal ilmiah, lingkungan alam serta silabus kimia SMK Farmasi. Objek penelitian adalah pengetahuan atau informasi mengenai jenis tanaman yang dapat digunakan sebagai bahan-bahan *boreh anget*, kandungan kimia dan manfaatnya, serta kompetensi dasar dalam pembelajaran kimia. Metode pengumpulan data yang digunakan yaitu studi dokumen, wawancara, dan observasi. Teknik analisis data berupa deskriptif kualitatif. Hasil penelitian menunjukkan bahwa terdapat 24 jenis tanaman obat yang dapat digunakan sebagai bahan-bahan *boreh anget* menurut lontar *Usada Taru Pramana*, di antaranya cengkeh, kamboja, pala, lengkuas, lada, maja, kleco, jeruk siam, suren, bungur, jeruju, legundi, sirsak, kaliombo, awar-awar, pulutan, ancak, terong, masui, lempuyang, ketumbar, adas, kunyit, dan temu tis. Masing-masing tanaman tersebut memiliki kandungan kimia seperti polifenol, flavonoid, steroid, alkaloid, terpenoid, kumarin, iridoid, dan minyak atsiri. Selain itu, manfaat penggunaan *boreh anget* secara umum yaitu dapat menghangatkan tubuh, meredakan gangguan pernafasan, memperlancar peredaran darah, meredakan nyeri seperti rematik, encok, asam urat, dan keseleo. Pengetahuan etnokimia yang diperoleh dapat diintegrasikan ke dalam pembelajaran kimia di SMK Farmasi pada materi farmakognosi.

Kata kunci: etnokimia, *usada taru pramana*, *boreh anget*, pembelajaran kimia

INVENTORY OF ETNOCHEMICAL KNOWLEDGE ABOUT *BOREH ANGET* MATERIALS BY LONTAR *USADA TARU PRAMANA* AS SUPPLEMENTARY MATERIALS LEARNING CHEMISTRY IN PHARMACEUTICAL VOCATIONAL SCHOOL

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ABSTRACT

This study aimed to describe and explain the types of plants and their chemical content as well as the benefits of medicinal plants using the ingredients of *boreh anget* according to *Usada Taru Pramana's* which have the potential to be integrated into chemistry learning in Pharmacy Vocational Schools. This type of research was descriptive research using a qualitative approach. The research subjects were *Usada Taru Pramana*, herbal practitioners, scientific books and journals, the natural environment, and the chemical syllabus of Pharmacy Vocational School. The object of the research was knowledge or information about the types of plants that can be used as *boreh anget* ingredients, chemical content, and benefits, as well as basic competencies in learning chemistry. Data collection methods used were document studies, interviews, and observations. The data analysis technique used descriptive qualitative. The results shows that 24 types of medicinal plants can be used as ingredients for *boreh anget* according to *Usada Taru Pramana's lontar*, including cloves, frangipani, nutmeg, galangal, pepper, maja, kleco, siam orange, suren, bungur, jeruju, legundi, soursop, kaliombo, awar-awar, pulutan, ancak, eggplant, masui, lempuyang, coriander, fennel, turmeric, and temu tis. Each of these plants contains chemicals such as polyphenols, flavonoids, steroids, alkaloids, terpenoids, coumarins, iridoids, and essential oils. In addition, the benefits of using *boreh anget* in general are that it can warm the body, relieve respiratory problems, improve blood circulation, and relieve pain such as rheumatism, gout, and sprains. The ethnochemical knowledge obtained can be integrated into chemistry learning in Pharmacy Vocational School on pharmacognosy material.

Keywords: ethnochemistry, *usada taru pramana*, *boreh anget*, chemistry learning