

ABSTRACT

PROCESSING OF PODOMORO VARIETY RED ONION SKIN AS A NATURAL TEXTILE DYE USING THE LAKE PIGMENT PROCESS

By

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Shallots are a cooking ingredient that is often used in every Indonesian dish, as evidenced by data from the Central Statistics Agency (BPS), the production of shallots in Indonesia in 2022 will reach 1.97 million tons. The high amount of production means the high amount of onion skins that are wasted, generally the use of onion skins is not carried out, and often it just ends up being wasted and unused. Red onion skins contain dye compounds called Anthocyanins and Flavonoids. The dye content in red onion skins has the potential to be used as a natural dye for textiles, due to its abundant sources in Indonesia. Due to the large number of shallot skins produced, an experiment was carried out to make natural dyes with shallot skins using the lake pigment process in order to increase the value of the plant itself and also as a source of renewable natural dyes.

Keywords: Lake Pigment, Natural Dye, Shallot Skin