

ABSTRACT
STANDARDIZATION SIMPLICIA AND 96% ETHANOLIC
EXTRACT OF MAHAGONY'S SEED (*Swietenia mahagoni*
Jacq.)

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Mahogany (*Swietenia mahagoni* Jacq.) is a medicinal plant which has many benefits especially in the seeds in the form of both simplicia and extract, therefore Mahogany has the potential to be developed as medicinal herb. To be used as raw material in traditional medicine it must fulfill the standards, therefore it's necessary conducting a standardization to ensure the quality of traditional medicine products. In this study, results of standardization of simplicia and 96% ethanolic extract of Mahogany's seed (*Swietenia mahagoni* Jacq.) are derived from three different regions namely Batu, Bogor, and Tawangmangu. The result of the standard parameter of Mahogany's seed simplicia are: drying shrinkage Batu (5,28%±0,14), Bogor (5,86%±0,16), Tawangmangu (6,44%±0,26); ash content Batu (3,36%±0,01), Bogor (3,18%±0,02), Tawangmangu (3,01%±0,04); acid insoluble ash content Batu (0,71%±0,01), Bogor (0,12%±0,01), Tawangmangu (0,13%±0,01); water soluble extractive Batu (6,66%±0,01), Bogor (7,84%±0,01), Tawangmangu (8,34%±0,00); ethanol soluble extractive Batu (43,04%±0,49), Bogor (34,36%±0,50), Tawangmangu (39,99%±1,33); stigmasterol content Batu (1,69%±0,26), Bogor (2,40%±0,12), Tawangmangu (2,66%±0,11). The TLC's chromatography pattern showed Mahogany seeds from the three regions contain stigmasterol. The result of the standard parameter of ethanol 96% extract of Mahogany's seed are: Mahogany's seed yield value Batu 35,75%, Bogor 52,5%, Tawangmangu 16%; water content Batu (4,53%±0,23), Bogor (4,57%±0,23), Tawangmangu (4,27%±0,023); ash content Batu (5,45%±0,26), Bogor (6,05%±0,63), Tawangmangu (5,42%±0,27); acid insoluble ash content Batu (1,02%±0,05), Bogor (1,38%±0,06), Tawangmangu (0,83%±0,04); stigmasterol content Batu (3,18%±0,02), Bogor (3,89%±0,09), Tawangmangu (1,47%±0,11).

Keywords: *Swietenia mahagoni* Jacq., mahogany seed, *standardization*, standard parameters of simplicia and extract.