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of antinutritive compound and protection to the bioactive compound on Aloe vera can be conducted by subcritical water method, such as extraction process using water with temperature between boiling point and critical point. Subcritical water extraction has several advantages of being readily available, cheap and efficient[5]. The result of subcritical water extraction, extraction water become short time, cheap and safe for health[6] and subcritical water at 100 to 1100C appears to be an alternative to organic solvent due to efficiency at low polarity condition[7]. However, there is limited information on the effect of time and temperature of extraction on subcritical water to decrease antinutritive compound and bioactive compound of Aloe vera keep protected.

The objectives of current study was to find out the bioactive compound from the effect of time and

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114 Evaluation of bioactive compounds of aloe vera extract using subcritical water method

FULL PAPER

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temperature of subcritical water which result from the previous study.

MATERIALS AND METHODS

Aloe vera of 10 months old and weight of 3 kg were obtained from Kalimantan Barat, Indonesia. After harvesting the Aloe vera peel were then washed by aquades, weight, peeled and separated from the gel. Blended raw materials were extracted with water at 125oC for

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Results

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