

## 2<sup>nd</sup> International Conference and Exhibition on Pharmacognosy, Phytochemistry & Natural Products

August 25-27, 2014 DoubleTree by Hilton Beijing, China

### The effect of black cumin oil (*Nigella sativa* L.) for controlling asthma and blood eosinophils level in asthma patients at the pulmonary clinic, Dr. M. Djamil Hospital, Padang

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Clinical study was conducted on the use of black cumin oil (*Nigella sativa* L.) against persistent asthma patients at the pulmonary clinic of Dr M. Djamil Hospital, Padang. Asthmatic patients were divided into two groups: the control and treatment groups. The control group was given hospital standard therapy only, bronchodilator and controller, while the treatment group received standard therapy and black cumin oil with dose 60mg/BW/day orally. The assessment was conducted on the level of asthma control and the value of eosinophils blood during the first month of use. This study showed that black cumin oil increased the level of asthma control in patients as indicated by level up of ACT score ( $p < 0.05$ ). The values of blood eosinophils decreased in the treatment group but not statistically significant when compared with the control group ( $p > 0.05$ ).

#### Biography

Fatma Sri Wahyuni got bachelor degree in 1998 from Department of Pharmacy, Faculty of Mathematic and Natural Sciences, Andalas University and PhD degree from Institute of Biosciences, University Putera Malaysia in 2009. She works as a lecturer at Faculty of Pharmacy, Andalas University. Her research interest is in biological study especially cytotoxic and anti-inflammatory activity of some Sumatran plant including genus *Garcinia* and *Nigella sativa*. She has 8 publication on her name.

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