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Cytotoxicity Effect and Antioxidant Activity of Malaysian *Vatica Pauciflora*

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The crude hexane, ethyl acetate, methanol and ethanol extracts of the woods and twigs of *Vatica pauciflora* have been examined for their cytotoxicity effect against normal Chang liver cells. None of these extracts found to be toxic to normal Chang liver cells, instead the crude extracts of the twigs had increased the cell proliferation to two-fold. These preliminary results indicated the extracts of the woods and twigs of *V. pauciflora* exhibited hepatoprotective effect *in vitro*. The crude extracts of the twigs also exhibited significant antioxidative properties when evaluated using the Ferric Reducing Antioxidant Power (FRAP) and radical scavenging assays, Total Phenolic Content (TPC), Ferric thiocyanate (FTC) as well as Thiobarbituric acid (TBA) methods. However, further investigation has to be made at molecular level to prove the safety usage of this plant in traditional medicinal preparation.

Keywords: *Vatica pauciflora*, hepatoprotective, proliferation, antioxidative.