

**ISOLATION AND IDENTIFICATION STRUCTURE OF RESVERATROL AND THEIR  
ACTIVITY TEST AS ANTIOXIDANT AND UV-B PROTECTION FROM STEM BARK  
OF MELINJO (*GNETUM GNEMON*)**

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Resveratrol (1) had been isolated from the stem bark of melinjo (*Gnetum gnemon*). The structure of this compound were elucidated based on physical and spectroscopic data (UV, IR, <sup>1</sup>H and <sup>13</sup>C NMR). The compound showed as radical hydroxyl scavenger (IC<sub>50</sub> 45,17 µg/ml) and has maximum protection at 50 µg/ml with SPF 8,03. These results suggest that resveratrol from stem bark of *melinjo* may be useful as potential sources of natural antioxidants and UV-B protection.

*Key word: resveratrol, gnetum gnemon, antioxidant, UV-B protection*

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