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Antioxidant screening through DPPH-HPLC-PDA analysis on *Phlomis herba-venti L. subsp. Kopetdaghensis*

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Abstract : This study aimed to determine the antioxidant properties of three *phlomis herba-venti L. subsp. Kopetdaghensis* extracts from Lamiaceae family. The antioxidant activity of this plant was evaluated by DPPH test which was determined by high performance liquid chromatography. The solvents used in this test were methanol, dichloromethane and ethyl acetate. According to IC₅₀ values the highest antioxidant activity belongs to dichloromethane extract which has decreased the sample peak area more than two other solvents.

Keywords: Antioxidant screening, DPPH-HPLC-PDA analysis, *phlomis herba-venti L. subsp. Kopetdaghensis*.

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