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Abstract No. 10

PaperTitle **Potential Health Benefits of Marama Beans(*Tylosema  
esculentum*):Antioxidant Effect of Crude Phenolic Extracts From  
Seed Coats (Hulls) and Cotyledons**

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**ABSTRACT**

The marama bean (*Tylosema esculentum*) is an underutilized legume crop native to the Kalahari Desert and neighbouring sandy regions of Botswana, Namibia and the North-West region of South Africa. It is believed to contain phenolic compounds that are considered as potential phytochemical protectants because they act as antioxidants. The total phenol contents of the marama hulls and cotyledons will be determined using the Folin-Ciocalteu method. Potential antioxidant activity, using the free radical scavenging capacity assays (ABTS•+ and DPPH•), of extracts from marama bean hulls (seed coats) and cotyledons will also be reported.