

## **Compositional Analysis of Horse Eye (*Dioclea Reflexa*) Seed Flour and Its Cake**

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### **Abstract**

A relatively unknown *Dioclea reflexa* seeds (a legume) was processed to flour and cake, respectively. Proximate, metallic and amino acids compositions of seed flour and cake were investigated. Antinutritional values of the cake and characteristic of seed oil was also analysed. Cake parameters were generally higher than that of seed flour in all the determinations; however both cake and seed flour data were within the acceptable levels for conventional legumes. The high saponification (201.84 mg<sup>1</sup>g) and iodine (145.7mg/100g) values, low peroxide (8.85 meq/kg), acid (6.26 mgg<sup>1</sup>) values and low unsaponifiable matter (0.90%), were recorded for the extracted oil and cake respectively. *Dioclea reflexa* oil could be a good domestic and industrial substitute to the over increasing demands of conventional oils. Also, the oil seed cake could serve as important plant protein sources in livestock production.