[illegible] 7 (Fig 1-6).

Materials and Method

Sample collection

[illegible] (*Vigna subterranean*) [illegible] (*Arachis hypogea*) [illegible] *Arachis hypogea.* [illegible]

[illegible]

Methods

Proximate Analysis

Calculation

$$\% \text{[illegible]} = \frac{W2-W3}{W2-W1} \times 100$$

[illegible];

W_1 = [illegible] ([illegible])

W_2 = [illegible] ([illegible])

W_3 = [illegible] ([illegible])

Determination of Ash Content

D[illegible] (5 [illegible]) [illegible] (W_2). [illegible] 550⁰C [illegible] (W_3).

Calculation

$$\% \text{[illegible]} = \frac{\text{weight of ash}}{\text{weight of sample}} \times 100$$

$$= \frac{W3-W1}{W2-W1} \times 100$$

Determination of Crude Protein

Principle

[illegible] K[illegible] (I). [illegible] 14 .

[illegible] (0.15 [illegible]) [illegible] C [illegible] (0.8 [illegible]) [illegible] (2 [illegible]) [illegible] 40% N H (15 [illegible]). [illegible] 2% [illegible] (10 [illegible]) [illegible] 5 [illegible] 15 [illegible] (0.02M).

Calculation

$$\% \text{[illegible]} = \frac{Pg}{\text{Weight of sample used}} X \ 100$$

[illegible];

[illegible] = [illegible]

F = [illegible] (6.25)

[illegible] = N F

Determination of Crude Fat

A[illegible]. L[illegible]

[illegible] 5 .

A[illegible] (W_1) [illegible] (W_2) [illegible] ([illegible]

[illegible] (3.).

Determination of Total Carbohydrate

[illegible] 100%. [illegible]

Calculation

% [illegible] = 100 (% M [illegible] % A [illegible] % F [illegible] % [illegible] % F [illegible])

Mineral Element Analysis

Determination of Mineral Elements

[illegible] (AA) [illegible] (5.) [illegible] 60°C [illegible] 550°C; [illegible] 1N HN [illegible] 400°C 15 [illegible] 10 [illegible] 1N HCl [illegible] 50 [illegible] 10 [illegible] 0.1N HCl [illegible] 0.1N HCl [illegible] N, K, C [illegible]

Statistical Analysis

[illegible] 0.05.

Result and Discussion

Results

Proximate Composition

[illegible] 1. A [illegible] (<0.05) [illegible] (<0.05). H [illegible] (<0.05) ([illegible] 1).

Table 1: Mean of Proximate Compositions of Bambaranut and Groundnut Varieties.

Proximate Composition (%)	Bambaranut	Groundnut
Moisture	2.90 Ñ 0.10	2.93 Ñ 0.12
Carbohydrate	68.10 Ñ 1.47*	36.60 Ñ 4.42*
Crude protein	14.66 Ñ 0.58*	12.33 Ñ 2.08*
Crude fibre	2.07Ñ0.91	1.77 Ñ 0.75
Ash	3.33Ñ0.23*	2.33 Ñ 0.23*
Crude fat	5.60 Ñ 1.44*	39.33 Ñ 4.51*

Results are expressed as mean ± standard deviation. Values on the same column bearing Similar asterisk are significantly different (P<0.05)

Mineral Composition

[illegible] 2. A [illegible] (<0.05) [illegible] (<0.05) [illegible] 2).

Discussion

[illegible] 80 [illegible] 90% [illegible] 19 [illegible] (B[illegible] (*V. subterranean*) [illegible] (G[illegible] (*Arachis-hypogea*), [illegible]

Citation: Muhammad SS, Muhammad HY, Shehu SM, Aliyu RM, Zubair AA, et al. (2021) Comparative Analysis of Proximate and Mineral Composition of Bambara nut (Vigna-subterranea) and Groundnut (Arachis-hypogea). J Nutr Sci Res 6: 150.

[illegible] F [illegible] 1, [illegible] 14.66 [illegible] 0.577% [illegible] 12.33 [illegible] 2.082% [illegible] B [illegible] (*V. subterranean*) [illegible] G [illegible] 20 [illegible] 19% B [illegible] (*V. subterranean*). [illegible]

[illegible] I [illegible] 15 [illegible] B [illegible]

fat, fiber, vegetable, and micronutrients are associated with overall survival in postmenopausal women diagnosed with breast cancer. Nutr Cancer 55:132-140.

24. Wakai K, Date C, Fukui M, Tamakoshi K, Watanabe Y, et al. (2007) Dietary fiber and risk of colorectal cancer in the Japan collaborative cohort study. Cancer Epidemiol Biomark Prev 16:668-675.
25. Brough FHJ, Ogbunugafor HA, Okafor U, Sofidiya MO (2010) Identification of Protein types in bambaranut seeds: Perspectives for dietary protein supply in developing coutries. EXCL J 9: 17-28.