Assessment of Proximate Composition of Jackfruit (*Artocarpous heterophyllus*) Tree in Konkan Geographical Region

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Abstract—*Proximate analysis of food is the determination of the major components of food which include moisture, protein, fat, ash, crude fibre and total carbohydrate. Plant nutrients are chemical compounds derived from plants that are nutritive compounds occurring in different parts of plants. They are important as protective and which help the body to prevent or fight against malnutrition and so are required by the animal's body to sustain life. The aim of present research was to record out the nutritional evaluation of Artocarpous heterophyllus fodder tree leaves. The leaves of jackfruit tree are useful for curing fever, boils and skin diseases. When heated, they prove useful in curing wounds. It has several medicinal uses as well as it can be utilized as feed for the animals, hence it was decided to conduct the trial on its nutritional evaluation. The samples of the Artocarpous heterophyllus were analyzed for the proximate principles viz., Dry matter, Crude protein, Crude fibre, Ether extract, Nitrogen free extract, Total ash and Acid insoluble ash, Tannin, Calcium and Phosphorus (AOAC, 1995). The mean values showed that Artocarpous heterophyllus had high moisture (70.25 %), whereas the figures for organic matter, dry matter, crude protein, ether extract, crude fibre, nitrogen free extract, total ash, acid insoluble ash, tannin, calcium and phosphorus were recorded as 90.13, 29.75, 13.08, .269, 17.54, 56.82, 9.87, 2.64, 1.18, 1.44 and 0.18 per cent, respectively. It was concluded that Artocarpous heterophyllus is good source of nutrients for the livestock as feed supplement.*