

# Impact of soyafakes chiwada supplementation on nutrient intake of malnourished pre-school children

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Protein calories malnutrition, deficiencies of vitamin A, iodine and iron are now a current and global nutritional problems. Supplementary feeding programmes are the emerging need in under nutrition for vulnerable segment in the population. Additional food required to supply nutrients hence, organoleptically high score evaluated soyafakes chiwada was provided to pre-school malnourished children. The nutritional qualities like moisture (4.1 %), ash (2.4 %), crude fibre (0.8 %), crude protein (21.4 %), iron (5.3 mg), calcium (74.0mg), zinc (2.7mg),  $\beta$  carotene (235. ug) and B complex vitamins like B<sub>1</sub> (0.2mg), B<sub>2</sub> (0.1mg) and B<sub>3</sub> (2.01mg) were found in soyafakes chiwada. No significant changes were observed in nutritional qualities of soyafakes chiwada when it was stored in high gauge package for 1 to 2 months. It is very cheap and affordable to the below poverty line group of children. The soyafakes chiwada was given @ 50 g/ child/day. Significant improvements in nutrient intake were seen in soyafakes supplemented group of children. There was high significant change in major, minor and  $\beta$  carotene.

**Key Words :** Soyafakes chiwada, Nutritional quality, Anthropometric measurement

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