



## FORMULATION AND EVALUATION OF CHEWABLE TABLET USING *AMORPHOPHALLUS CAMPANULATUS* DECNE TUBER EXTRACT

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Article Received on  
13 June 2016,

Revised on 03 July 2016,  
Accepted on 23 July 2016

DOI: 10.20959/wjpr20168-6827

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### ABSTRACT

The main objective of present work is to formulate and evaluate chewable tablet of *Amorphophallus campanulatus* decne tuber extract. Initially dried powder of *Amorphophallus campanulatus* tubers were extracted with ethanol. Granules were prepared with help of extract by using wet granulation technique and evaluated by different methods i.e. Physical appearance of granules, Flow ability, Fines, Loss on drying, Bulk density, Tap density, Hausner ratio, Carr's index, Angle of repose. Finally chewable tablet was formulated and evaluated by using different methods like Physical appearance of tablets, Thickness of tablets, Weight variation, Hardness, Friability.

**KEYWORDS:** *Amorphophallus campanulatus*, Ethanolic extract, Chewable tablet, Evaluation.

### INTRODUCTION

*Amorphophallus paeoniifolius* or *Amorphophallus campanulatus* is also known as Elephant foot yam, it is a perennial, terrestrial underground hemispherical depressed dark brown corn of approximately 20-25 cm in diameter which bears flowers and fruits in the month of April – May.<sup>[2]</sup> It is an important tuber crop of sub-tropical and tropical countries because of its yield potential and culinary properties.<sup>[3]</sup> Elephant foot yam is widely grown and consumed in south eastern countries like India, Philippines, Malaysia, Indonesia, In India, it is cultivated in Andhra Pradesh, West Bengal, Gujarat, Kerala, Tamil Nadu, Maharashtra, Uttar Pradesh and Jharkhand.<sup>[4,5]</sup> *Amorphophallus* is a good source of energy, sugar, starch, proteins as well as minerals.<sup>[6]</sup> The tuberous roots of the plant posses blood purifier properties and have been