

## ABSTRACT

New era is an era of Novel Drug Delivery Systems. Formulation research is oriented towards increasing the efficacy of existing drug molecule through novel concepts of drug delivery. Losartan Potassium is widely used as an antihypertensive drug, which is a potential drug candidate for developing into FDTs. In the present work, an attempt has been made to formulate and evaluate FDTs of Losartan Potassium. The basic approach followed in this study was to incorporate a combination of superdisintegrants in optimum concentrations which can minimize disintegration time. The various superdisintegrants used in the present study were SSG, CCS and CP. Various batches of FDTs were prepared by direct compression method and using conventional tablet machine. The formulated FDTs were evaluated for various physicochemical parameters, disintegration time and for *in vitro* drug release. All the batches of the formulations possessed required physicochemical parameters. The disintegration time of various formulations ranged from 16 to 51 sec. *In vitro* drug release for various formulations ranges from 95.23 to 99.90 % at the end of 5 min.

**Keywords:** FDTs; Losartan Potassium, Direct compression, Physicochemical parameters; Disintegration time, *In vitro* drug release.