

official standards. The comparison between predicted values and experimental values was carried out. As per coefficient of correlation the best fitted model for optimized formulation was Zero order and Korsmayer Peppas. This indicate that the drug release is controlled order and super case II transport indicate drug release does not change over time and drug release characterized by zero order.

CONCLUSION

Floating drug delivery of metoprolol succinate by using *Musa paradisiaca* starch as binder was developed. The swelling polymer HPMC K100M and gas forming agent sodium bicarbonate and citric acid was crucial ingredients to achieved buoyancy of tablet. The drug release rate was controlled by Carbopol 971P and binding property of *Musa paradisiaca* starch. The main benefit of *Musa paradisiaca* starch was maintaining the tablet intact for longer period of time and that helpful in extends the drug release for more than 18 hrs. The future scope of this study is extended release floating drug delivery using release retarded polymer and *Musa paradisiaca* starch as a binder in combination with swellable polymer and gas forming agent.

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