

Pemanfaatan maltodektrin DE 5-10 dari pati singkong (*Manihot utilissima* Pohl) sebagai bahan penyalut lapisan tipis tablet amoksilin

Juheini Amin, author

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Abstrak

Maltodextrin utilization of topioca starch as a film coating on amoxyllin tablet: Maltodextrin is produced by hydrolized of strach used enzyme or acid, that reduced the amount of sugar 20 maximal .In this research,maltodextrin DE 5 to 10 was made from tapioca starch (*Manihot utillissima* Pohl) by using Temamyl L-120 Novo enzyme as a-amylase at 85 oC for 65 minute.Maltodextrin De 5 to 10 with particlesize 60 mesh (250 um) was used as fil coating on amoxycillin tablet in order to reduce a bad smell .AS a standard of coating was used pharmacoat 645w. The coating tables were evaluated according to Fi III an IV included visual test. Weight uniformity, size uniformity, hradness, friability,desintegration time, dissolution test and smell test.The result of this research showed that maltodextrin DE 5-10 from tapioca starch fulfill the terms above. The best formula is maltodextrin 10 %, PEG 400 5% and Na Alginat 5% from polymer weight.