Formulasi kapsul ekstrak etanol daun tanaman alpukat (Persea americanan Mill.) menggunakan aerosil dan magnesium karbonat sebagai pengering = Capsule formulation of ethanolic extract from leaves of Persea americana Mill. using aerosil and magnesium carbonate as an adsorbent.

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Abstrak

[ABSTRAK
Daun alpukat (Persea americana Mill.) berkhasiat sebagai antihiperlipidemik. Penelitian bertujuan memperoleh perbandingan optimum adsorben dan ekstrak
kental daun alpukat serta formula sediaan kapsul ekstrak daun alpukat. Ekstrak dibuat dengan cara maserasi menggunakan etanol 70% dan dikeringkan dengan
penambahan aerosil pada berbagai perbandingan (1: 0,025; 1:0,05; 1:0,8; 1:0,11 dan 1:0,2) dan magnesium karbonat pada berbagai perbandingan (1:0,08; 1:0,11;
1:0,15; 1:0,3; 1:0,4; dan 1:0,5). Formulasi kapsul ekstrak daun Tanaman alpukat menggunakan amilum jagung dan kalsium fosfat dibasa sebagai pengisi. Evaluasi
massa serbuk meliputi uji bulk dan tapped density, laju alir dan sudut istirahat.
Evaluasi kapsul eksrak daun tanaman alpukat dilakukan meliputi uji waktu hancur, uji keragaman bobot. Hasil penelitian menunjukkan perbandingan
optimum aerosil sebagai adsorben adalah 1:0,2 terhadap bobot ekstrak kental sedangkan magnesium karbonat sebagai adsorben adalah 1:0,5 terhadap bobot
ekstrak kental.
ABSTRAK
The Leaf of avocado (Persea americana Mill.) has antihyperlipidaemic properties. This study was aimed to achieve optimized composition of adsorbent and viscous avocado leaf extract and to make capsule of avocado leaf extract. Extract was made by maseration with Ethanol 70% and dried using Aerosil within different ratio (1: 0,025; 1:0,05; 1:0,8; 1:0,11 and 1:0,2) and Magnesium Carbonate within different ratio (1:0,08; 1:0,11; 1:0,15; 1:0,3; 1:0,4; and 1:0,5). Formulation of avocado leaf extract used Corn Starch and Dibasic Calcium Phosphat as filler. Evaluation of dried extract included bulk and tapped density test, flowability test and angle of rephose. Evaluation of avocado leaf extract capsule included desintegration time, uniformity of weight. The study shows optimal ratio of Aerosil as adsorbent which is 1:0,2 to weight of viscous extract. Then the optimal ratio using Magnesium carbonate as adsorbent is 1:0,5 to weight of viscous extract., The Leaf of avocado (Persea americana Mill.) has antihyperlipidaemic properties. This study was aimed to achieve optimized composition of adsorbent and viscous avocado leaf extract and to make capsule of avocado leaf extract. Extract was made by maseration with Ethanol 70% and dried using Aerosil within different

ratio (1: 0,025; 1:0,05; 1:0,8; 1:0,11 and 1:0,2) and Magnesium Carbonate within different ratio (1:0,08; 1:0,11; 1:0,15; 1:0,3; 1:0,4; and 1:0,5). Formulation of avocado leaf extract used Corn Starch and Dibasic Calcium Phosphat as filler. Evaluation of dried extract included bulk and tapped density test, flowability test and angle of rephose. Evaluation of avocado leaf extract capsule included desintegration time, uniformity of weight. The study shows optimal ratio of Aerosil as adsorbent which is 1:0,2 to weight of viscous extract. Then the optimal ratio using Magnesium carbonate as adsorbent is 1:0,5 to weight of viscous extract.]