ABSTRACT

DEVELOPMENT OF FORMULA FROM GRANULES 70% ETHANOL EXTRACT JUSTICIA GENDORUSSA OF BURM.F. LEAVES
(AS PHYTOPHARMACA FORM)

Gendarusin A is the active compounds contained in 70% ethanol extract of *J. gendarussa* Burm.f. leaf which has activity as antifertilitas. These active compounds can reduce the activity of the enzyme hyaluronidase which can prevent the penetration of spermatozoa in the fertilization process. Development of granule formula developed into capsules and tablets dosage form of 70% ethanol extract of *J. gendarussa* Burm.f leave are necessary to achieve herbal pharmaceutical product.

The influence of a combination of fillers lactose-maize starch granules of the physical quality. Granules in the formulation of 70% ethanol extract of *J. gendarussa* Burm.f. leaf. This used a combination of lactose-maize starch as a filler material so that the later is expected by the combination of filler materials will improve the physical quality of granules, and Cab-O-Sil and avicel PH101 as adsorbent material. F1 (P10) and F5 (L10) as compare formula with a combination of lactose-maize starch (3:4, 5:5, 7:3) for flowability, moisture content, porosity, compressibility, and compactibility.

The existence of elevated levels of lactose in the combination of lactose-maize starch granules in the formula 70% ethanol extract of *J. gendarussa* Burm.f. leaves would lead to increased granule flowability and compactibility, lead to lower prices quiet corner, % compressibility and moisture content.

Keywords: 70% ethanol extract of *Justicia gendarussa* Burm.f. leaves, granules, Lactose – maize starch