

BACKGROUND

We know that the development of Indonesian society can affect the development of diseases, which indirectly can lead to high prices for chemical drugs. Therefore, we are utilizing biological resources, namely the senggani plant (*Melastoma polyanthum* Bl) which we innovated into a senggani leaf extract cream that can heal acute inflammatory wound.



RESEARCH PURPOSES

1. How the process to make senggani leaf extract cream?
2. How the physical test of senggani leaf extract cream?
3. How the antibacterial power of senggani leaf extract cream?
4. How's the content of senggani leaf extract cream?
5. How's the effectiveness of senggani leaf extract in healing acute inflammatory wound in male guinea pig?
6. What the advantages of senggani leaf extract cream?

BENEFITS OF GENERAL

1. Benefits theoretically

By carrying out the results of this research, it is hoped that it can add insight into science and technology, especially in the field of pharmacology.

2. Practical benefits

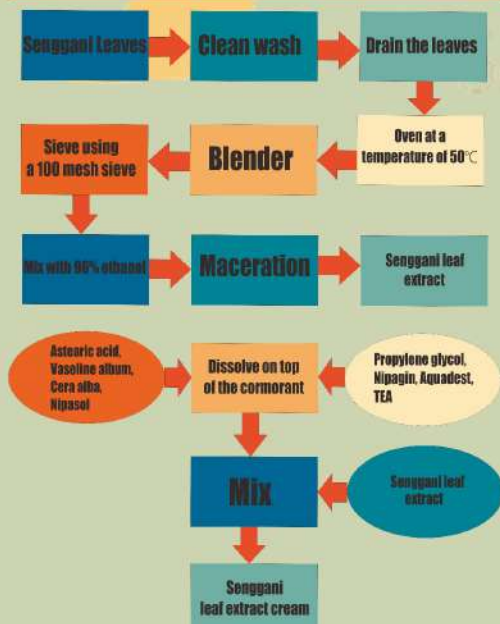
This research can be used by the public to get information about *Jatropha multifida* which is rich in benefits, especially as a wound healer.

RESEARCH METHODOLOGY

1. Research location
2. Research Time
3. Tools and Materials
4. Treatment
5. Research Samples
6. Research Procedure
7. Data Analysis

RESEARCH RESULT

How to use Senggani Leaf Extract Cream



RESEARCH RESULT

-Homogeneity test

The cream passed the homogeneity test because for 7 days there was no change

Treatment	Day							Result
	1	2	3	4	5	6	7	
T.1	H	H	H	H	H	H	H	H
T.2	H	H	H	H	H	H	H	H



-Antibacterial test cream

The cream of *Jatropha multifida* leaf extract with a concentration of 15% n a concentration of 500 ppm test solution has good inhibition power.



-Spreadability test of cream

The cream passed the spreadability test because it was able to spread between 3-5 cm

Treatment	Day							Result
	1	2	3	4	5	6	7	
T.1	4,10 cm	4,20 cm	4,80 cm	4,30 cm	4,80 cm	4,90 cm	4,30 cm	4,48 cm
T.2	4,80 cm	4,70 cm	4,20 cm	4,00 cm	4,30 cm	4,30 cm	4,80 cm	4,44 cm



-Cream ph test

The cream passed the ph test because it had a ph ≤ 7.00 and ≥ 7.10

Treatment	Day	Day	Day	Day	Day	Day	Day	Average
	1	2	3	4	5	6	7	
T.1	7.00	7.03	7.04	7.03	7.04	7.05	7.02	7.03
T.2	7.00	7.02	7.03	7.04	7.05	7.02	7.03	7.02



-Test the adhesion of the cream

The cream passed the adhesion test because it was able to stick for more than 2 seconds



-Cream irritation test

From the results of observations made, the part of the skin that was applied did not change and there was no effect whatsoever.



-Cream effectiveness test



RECOMENDATION

1. Planning
2. Approach
3. Implementation
4. Marketing
5. Evaluation

PRODUCT

