

## CLINICALLY-RESEARCHED STANDARDIZED LABISIA PUMILA EXTRACT


**SLP+**

### Introduction

Kacip Fatimah (*Labisia pumila*) is a low-growing plant native to South East Asia that is well-known for its health benefits for women. Its leaves have been used in traditional medicine for feminine vitality, blood circulation, post-partum recovery and overall well-being.

SLP+® is Biotropics' patented and standardized extract of *Labisia pumila* var *alata* for the health and well-being of women. (Patent MY-170824-A and standardized to 0.5% gallic acid.)



*Labisia pumila* var *alata*  
(Kacip Fatimah)

**SLP+® is ready to market as an ingredient for all-natural dietary supplements, nutraceuticals, functional foods & beverages, and cosmeceutical applications.**

### Benefits of SLP+® Extract



**Regulation  
of women's  
hormones**



**Promotes  
good weight  
management**



**Regulates  
menstrual  
cycle**



**Improves  
post-partum  
recovery**



**Enhances  
energy &  
stamina**

### Scientific Validation

Biotropics has carried out three clinical studies on the effects of SLP+® Kacip Fatimah.

Two of these studies had the subjects consume SLP+® (200mg/day for 12 weeks and 400mg/day for 16 weeks), where the observed effects include:

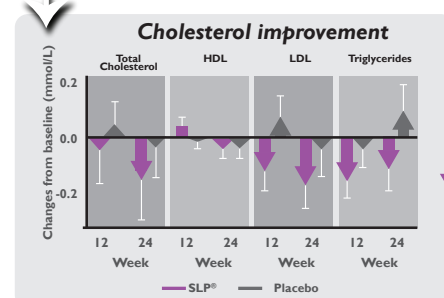
- 12% improvement in menstrual health symptoms;
- 53% improvement over stress;
- 31% improvement in sleep;
- 8% improvement in memory/concentration;

George, A. et al. (2014) Safety and efficacy of a *Labisia pumila* var *alata* water extract on sexual well being and lipid profile of pre- and postmenopausal women: A randomized double-blind pilot study, *African Journal of Biotechnology* 13(6): 768-777

Mohd. Noor, N. et al. (2014) Efficacy and Safety of *Labisia pumila* var *alata* Water Extract Among Pre- and Postmenopausal Women, *Journal of Medicinal Food* 17(8): 1-10

One study was of a combination 200mg SLP+® with 50mg Physta® Tongkat Ali (24 weeks), where the two herbs worked synergistically for the effects:

- 73% improvement of hot flush symptoms;
- 68% improvement in joint pain;
- significant improvement of cholesterol profile.



SLP+®  
has overall  
effect of  
reducing  
cholesterol

Chinnappan, S. et al. (2020) Efficacy of *Labisia pumila* and *Eurycoma longifolia* standardised extracts on hot flushes, quality of life, hormone and lipid profile of peri-menopausal and menopausal women: a randomised placebo-controlled study, *Food & Nutrition Research* 64: 3665

## Extract Description

Botanical name	<i>Labisia pumila</i> var <i>alata</i>
Class	Magnoliopsida
Order	Ericales
Family	Myrsinaceae
Common Names	Kacip Fatimah, Selusoh Fatimah rumpit Siti Fatimah, tadah matahari, bunga belangkas hutan, (Malay), kelimpangan tuli (Indonesia)
Country of Origin	Malaysia
Shelf Life	2 years
Part Used	Leaves
Extraction Method	Water
Recommended Dose	200 - 400 mg/day

## About Us

Formed in 2007, Biotropics Malaysia Berhad is a wholly Malaysian company driven by our philosophy to produce superior natural health products for local and international markets. We achieve this by turning yesterday's traditional approach towards health & well-being into tomorrow's innovative health solutions, by verifying time-honoured traditions through state-of-the-art science.

## Quality Assurance

Biotropics emphasizes quality control at every step of the supply chain from sourcing to final packing. Our manufacturing facility is certified for GMP, ISO 22000 and HACCP, and we are USFDA-inspected.



## Extract Specification

Test Parameter	Method/Reference	Specification
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### ORGANOLEPTIC

Colour		Brown
Odour		Characteristic
Flavour	<i>In-house</i>	Bitter
Form / Texture		Fine powder
Extraneous materials		Free from foreign matter

### PHYSICAL CHARACTERISTICS

Moisture content	<i>In-house</i>	<10.0%
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### BIOACTIVE CONTENT

Gallic acid	<i>HPLC</i>	≥ 0.5%
Total phenolic content	<i>In-house</i>	≥ 75 mg GAE/gdE

### HEAVY METAL

Lead (Pb)		< 10.0 ppm
Mercury (Hg)		< 0.5 ppm
Arsenic (As)	<i>ICP MS</i>	< 5.0 ppm
Cadmium (Cd)		< 0.3 ppm

### MICROBIAL LIMIT TEST

Total Bacteria Count		< 10,000 cfu/g
Yeasts & Mould		< 100 cfu/g
<i>Salmonella</i>		Absent in 25g
<i>Escherichia coli</i>	<i>(British Pharmacopoeia Harmonised Method)</i>	Absent in 1g
<i>Staphylococcus aureus</i>		Absent in 1g
Bile-tolerant Gram-negative bacteria		< 100 cfu/g

## Contact Details



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