



## HISTORY OF SOAP

The history of soap from bc 2500 ,at Roma at mountain sapo .There was animal burned for sacrifice to the god.

Suddenly rainwater combined with ashes from the altar and oil from fatty acid from the animal make the process

And until now call that process is soap.

ALAMZEMPOL natural soap use cold process to make our soap. That mean process make soap use heat from

the chemistry reaction from combination between oil, alkali from these soap ingredients.

ALAMZEMPOL natural soap are hand made, from ingredients,mould,and cutter of the soap all are hand made.

And in Indonesia so many coconut tree and from this tree the oil we make natural soap that good for your skin and environmental friendly.

ALAMZEMPOL natural soap provide so many kind of aroma and variations of soap that use natural ingredient .

ALAM ZEMPOL  
NATURAL BATH PRODUCT

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## HOW TO MAKE SOAP???

### COLD PROCESSED SOAPS



#### TOOL

1. stainless bowl
2. gas stove
3. glass bowl
4. spatula
5. thermometer
6. digital scale
7. stainless spoon
8. plastic glass
9. plastic bowl
10. measuring glass
11. apron
12. hand glove
13. cotton cloth

#### MAIN INGREDIENTS(OIL ,CAUSTIC SODA,WATER )

##### ● OIL

OIL IS VERY INPORTANT IN PROCESS OF SOAP MAKING,SO MANY KIND OF OIL CAN USE:

**PALM OIL**(rich with fatty and oleic acid that good for moisture your skin)

**COCONUT OIL**(cleaner your skin)

##### ● CAUSTIC SODA

Reaction from lye solution and oil that will make soap. special attention must be taken

This caustic soda is very danger.

##### ● WATER

To fastest reaction between lye and oil, water will use to make lye solutions, after a week in drying process, water will lost and soap ready to use.

# Basic techniques

1

MEASURING OIL



PALM OIL DAN COCONUT OIL  
COMBINE

2

HEAT THE OIL



50°C ~ 60°C

3

MAKE LYE  
SOLUTION



COUSTIC SODA IS EXTREMELLY  
HOT,PLEASE TAKE CARE

4

DOWN THE HEAT



52°C ~ 54°C ISIDEAL EMPERATURE  
FOR LYE SOLUTION.

5

COMBINE OIL AND  
LYE SOLUTION



STIR SLOWLY NOT TO PAST

6

AFTER 10 MINUTE



COMDINE THE OPTIONS  
CLAY,AND ESSENTIAL OIL

7

AFTER 20 MINUTE



POUR THE SOAP IN TO PLASTIC  
MOULD AFTER A WEEK IN DRYING  
PROCESS YOUR SOAP READY TO  
USE.

## ingredients

Palm oil	140 g
Coconut oil	60 g
Sodium hydroxide	31 g
Water	60 g
Essential oil	3cc

## ESSENTIAL OIL /FRAGRANCE OIL

1, frangipani

2, lavender

3, cempaka

4, tuberose