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Peta Konsep

 $\bullet \Leftrightarrow \bullet$ 

Pendahuluan Metode Analisis

Hasil dan Pembahasan Analisis Kewirausahaan Kesimpulan dan Saran











64 fl. 02 (1/2 CALLON)

64 fl. 02 (12 GALLON)



### Sumber Susu





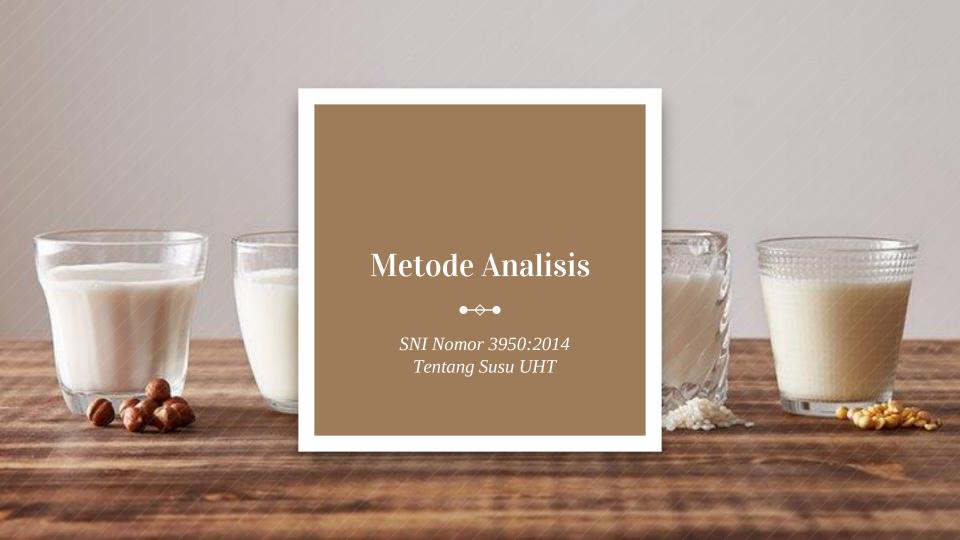
### **Proses Sterilisasi**





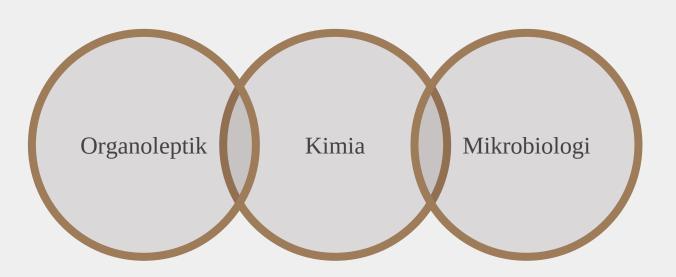
### **Produk Akhir Susu**





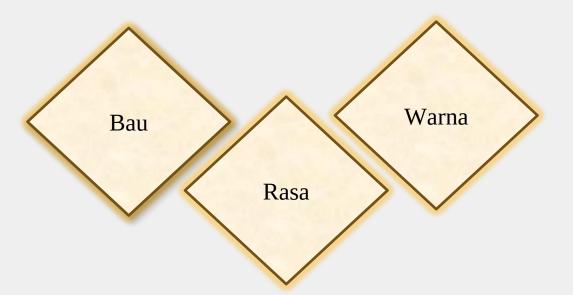
### Parameter Uji

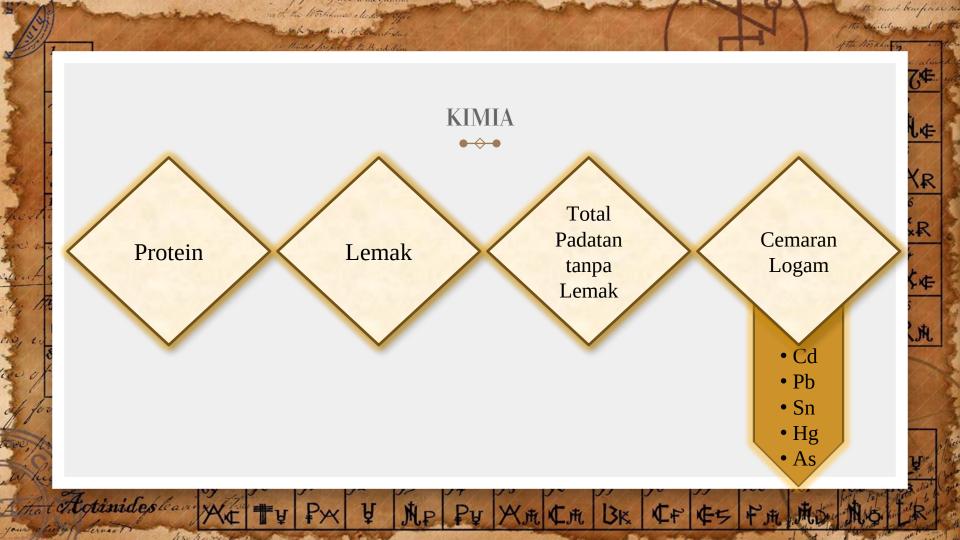




#### **ORGANOLEPTIK**







## MIKROBIOLOGI •••









# BAU

| Standar | Hasil    |
|---------|----------|
| Normal  | Normal 🔗 |



## WARNA

| Standar | Hasil    |
|---------|----------|
| Normal  | Normal 🔗 |



# RASA

| Standar | Hasil    |
|---------|----------|
| Normal  | Normal 🔗 |





# **PROTEIN**

| Standar       | Hasil      |
|---------------|------------|
| Min.2,7%, b/b | 2,82%, b/b |



# LEMAK

| Standar        | Hasil      |
|----------------|------------|
| Min. 3,0%, b/b | 3,27%, b/b |



# TOTAL PADATAN TANPA LEMAK

| Standar        | Hasil       |
|----------------|-------------|
| Min. 8,0%, b/b | 11,31%, b/b |

# Timbal (Pb)

| / | Standar        | Hasil  |
|---|----------------|--|
|   | Maks. 0,02 ppm | <mdl(mdl=0,0463 ppm)<="" th=""></mdl(mdl=0,0463> |

# Timah (Sn)

| Standar        | Hasil  |
|----------------|--|
| Maks. 40,0 ppm | <mdl(mdl=1,06 ppm)<="" th=""></mdl(mdl=1,06> |

# Kadmium (Cd)

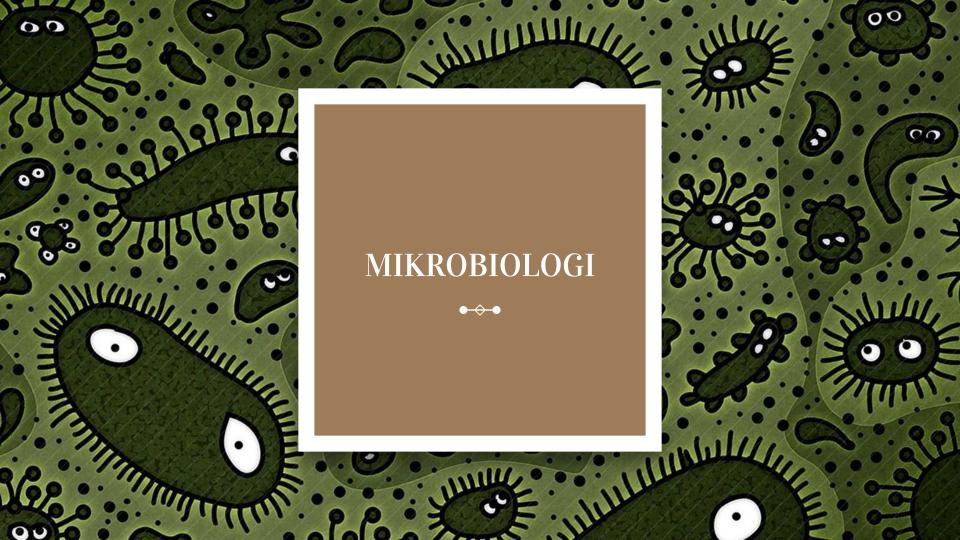
| Standar        | Hasil  |
|----------------|--|
| Maks. 0,03 ppm | <mdl(mdl=0,0033 ppm)<="" th=""></mdl(mdl=0,0033> |

# Merkuri (Hg)

| / | Standar        | Hasil  |
|---|----------------|--|
|   | Maks. 0,03 ppm | <mdl(mdl=0,0066 ppm)<="" th=""></mdl(mdl=0,0066> |

# Arsen (As)

| Standar       | Hasil  |
|---------------|--|
| Maks. 0,1 ppm | <mdl(mdl=0,01 ppm)<="" td=""></mdl(mdl=0,01> |



# ANGKA LEMPENG TOTAL

| Standar            | Hasil              |
|--------------------|--------------------|
| <10 koloni /0,1 ml | <10 koloni /0,1 ml |



#### **Protein**



| Parameter Uji        | Bahan                             | Jumlah | Harga       |
|----------------------|-----------------------------------|--------|-------------|
|                      | Selen                             | 2gr    | Rp. 3.000   |
| Kadar Protein        | H <sub>2</sub> SO <sub>4(P)</sub> | 30 ml  | Rp. 96.000  |
| Rauai Froteiii       | NaOH 30%                          | 120 ml | Rp. 86.000  |
|                      | H <sub>3</sub> BO <sub>3</sub>    | 5 gr   | Rp. 35.000  |
| Operasional          |                                   |        | Rp. 50.000  |
| Total Biaya Analisis |                                   |        | Rp. 270.000 |
| Keuntungan 30%       |                                   |        | Rp. 81.000  |
| Jasa Analisis        |                                   |        | Rp. 286.000 |

#### Lemak



| Parameter Uji        | Bahan    | Jumlah | Harga       |
|----------------------|----------|--------|-------------|
|                      | Celite   | 2gr    | Rp. 32.000  |
| Kadar Lemak          | N-Hexane | 200 ml | Rp. 104.000 |
|                      | Pasir    | 100 gr | Rp. 10.000  |
| Operasional          |          |        | Rp. 50.000  |
| Total Biaya Analisis |          |        | Rp. 196.000 |
| Keuntungan 30%       |          |        | Rp. 59.000  |
| Jasa Analisis        |          |        | Rp. 255.000 |

### Total Padatan Tanpa Lemak



| Parameter Uji                | Bahan | Jumlah | Harga      |
|------------------------------|-------|--------|------------|
| Total Padatan Tanpa<br>Lemak |       | _      | _          |
| Operasional                  |       |        | Rp. 50.000 |
| Total Biaya Analisis         |       |        | Rp. 50.000 |
| Keuntungan                   |       |        | Rp. 25.000 |
| Jasa Analisis                |       |        | Rp. 75.000 |

#### Cemaran Logam Pb dan Cd

| $\wedge$      |  |
|---------------|--|
| $\overline{}$ |  |

| Parameter Uji        | Bahan                 | Jumlah      | Harga       |
|----------------------|-----------------------|-------------|-------------|
|                      | HNO <sub>3(P)</sub>   | 10ml        | Rp. 5.000   |
| Kadar Cemaran Cd     | HCI 6N                | 10 ml       | Rp. 23.000  |
| dan Pb               | Std Induk Pb 1000 ppm | 50 ml       | Rp. 87.000  |
|                      | Std Induk Cd 1000 ppm | 50 ml       | Rp. 92.000  |
| Operasional          |                       |             | Rp.100.000  |
| Total Biaya Analisis |                       | Rp. 307.000 |             |
| Keuntungan 30%       |                       |             | Rp. 92.000  |
| Jasa Analisis        |                       |             | Rp. 399.000 |

## Cemaran Logam Sn



| Parameter Uji        | Bahan                 | Jumlah      | Harga       |
|----------------------|-----------------------|-------------|-------------|
|                      | HNO <sub>3(P)</sub>   | 50 ml       | Rp. 17.000  |
| Kadar Cemaran Sn     | HCI <sub>(p)</sub>    | 40 ml       | Rp. 13.000  |
| Radai Cemaran Sii    | KCI 0,1 N             | 5 ml        | Rp. 5.000   |
|                      | Std Induk Sn 1000 ppm | 50 ml       | Rp. 79.000  |
| Operasional          |                       |             | Rp. 100.000 |
| Total Biaya Analisis |                       | Rp. 214.000 |             |
| Keuntungan 30%       |                       |             | Rp. 64.000  |
| Jasa Analisis        |                       | Rp. 278.000 |             |

### Cemaran Logam Hg



| Parameter Uji             | Bahan                             | Jumlah | Harga       |
|---------------------------|-----------------------------------|--------|-------------|
|                           | HNO <sub>3(P)</sub>               | 60 ml  | Rp. 20.000  |
|                           | HCIO <sub>4(p)</sub>              | 40 ml  | Rp. 89.000  |
| Kadar Cemaran Hg          | H <sub>2</sub> SO <sub>4(P)</sub> | 40 ml  | Rp. 128.000 |
|                           | Natrium Molibdat 2%               | 1 gr   | Rp. 2.000   |
|                           | Std Induk Hg 1000<br>ppm          | 50 ml  | Rp. 93.000  |
| Operasional               |                                   |        | Rp. 100.000 |
| Total Biaya Analisis      |                                   |        | Rp. 432.000 |
| Keuntungan 30%            |                                   |        | Rp. 129.000 |
| Jasa Analisis Rp. 561.000 |                                   |        | Rp. 561.000 |

## Cemaran Logam As



| Parameter Uji        | Bahan   | Jumlah | Harga       |
|----------------------|---|--------|-------------|
|                      | HNO <sub>3(P)</sub>   | 20 ml  | Rp. 7.000   |
|                      | H <sub>2</sub> SO <sub>4(P)</sub>                             | 10 ml  | Rp. 32.000  |
| Kadar Cemaran As     | HClO <sub>4(p)</sub>  | 20 ml  | Rp. 44.000  |
|                      | (NH <sub>4</sub> ) <sub>2</sub> C <sub>2</sub> O <sub>4</sub> | 10 ml  | Rp. 55.000  |
|                      | Std Induk As 1000 ppm   | 50 ml  | Rp. 76.000  |
| Operasional          |   |        | Rp. 100.000 |
| Total Biaya Analisis |   |        | Rp. 314.000 |
| Keuntungan 30%       |   |        | Rp. 94.000  |
| Jasa Analisis        |   |        | Rp. 408.000 |

## Angka Lempeng Total



| Parameter Uji        | Bahan    | Jumlah     | Harga       |
|----------------------|----------|------------|-------------|
|                      | PCA      | 250 ml     | Rp. 20.000  |
| Angka Lempeng Total  | BPW      | 100 ml     | Rp. 15.000  |
|                      | Spiritus | 100 ml     | Rp. 5.000   |
| Operasional          |          |            | Rp. 50.000  |
| Total Biaya Analisis |          |            | Rp. 90.000  |
| Keuntungan 30%       |          | Rp. 27.000 |             |
| Jasa Analisis        |          |            | Rp. 117.000 |

#### Rekapitulasi Biaya Analisis Susu UHT

| $\wedge$      |  |
|---------------|--|
| $\overline{}$ |  |

| Parameter                          | Biaya         |
|------------------------------------|---------------|
| Protein                            | Rp. 286.000   |
| Lemak                              | Rp. 255.000   |
| Total Padatan Tanpa Lemak          | Rp. 75.000    |
| Cemaran Logam Pb dan Cd            | Rp. 399.000   |
| Cemaran Logam Sn                   | Rp. 278.000   |
| Cemaran Logam Hg                   | Rp. 561.000   |
| Cemaran Logam As                   | Rp. 408.000   |
| Angka Lempeng Total                | Rp. 117.000   |
| Total Biaya Jasa Analisis Susu UHT | Rp. 2.379.000 |

## Rekapitulasi Biaya Analisis Susu UHT



| Total Biaya Keseluruhan     |               |
|-----------------------------|---------------|
| Jasa Analisis Rp. 2.379.000 |               |
| Modal / Biaya Analisis      | Rp. 1.873.000 |
| Keuntungan Total            | Rp. 506.000   |







Simpulan

64 fl. 02 (1/2 GALLON)





64 fl. oz (1/2 GALLON)







Saran













GRADE A
PASTEURIZED
PASTEURIZED
PAMIN D ADDED

N 05 115 CM

64 fl. 02 (1/2 GALLON)

A Company of the Comp

64 fl. 02 (1/2 GALLON)

## Terimakasih!

\_ -PKT 60-