A. Perhitungan Hasil Rendemen Pulp

- **Waktu pemasakan 60 Menit**

  - Komposisi campuran eceng Gondok : Tkks (8 : 2)

    Berat sampel awal (a)   = 30 gram

    Berat *pulp* kering (b)   = 23,85 gram

    % Rendemen *Pulp* = $\dfrac{(b)}{(a)}$ x 100%

    $\qquad\qquad\qquad = \dfrac{23,85 \text{ gram}}{30 \text{ gram}}$ x 100%

    $\qquad\qquad\qquad = 79,5 \%$

  - Komposisi campuran eceng Gondok : Tkks (7 : 3)

    Berat sampel awal (a)   = 30 gram

    Berat *pulp* kering (b)   = 23,75 gram

    % Rendemen *Pulp* = $\dfrac{(b)}{(a)}$ x 100%

    $\qquad\qquad\qquad = \dfrac{23,75 \text{ gram}}{30 \text{ gram}}$ x 100%

    $\qquad\qquad\qquad = 79,15 \%$

  - Komposisi campuran eceng Gondok : Tkks (6 : 4)

    Berat sampel awal (a)   = 30 gram

    Berat *pulp* kering (b)   = 23,97 gram

    % Rendemen *Pulp* = $\dfrac{(b)}{(a)}$ x 100%

    $\qquad\qquad\qquad = \dfrac{23,97 \text{ gram}}{30 \text{ gram}}$ x 100%

    $\qquad\qquad\qquad = 79,9 \%$

  - Komposisi campuran eceng Gondok : Tkks (5 : 5)

    Berat sampel awal (a)   = 30 gram

    Berat *pulp* kering (b)   = 23,87 gram

$$\% \text{ Rendemen } Pulp = \frac{(b)}{(a)} \times 100\%$$

$$= \frac{23,87 \text{ gram}}{30 \text{ gram}} \times 100\%$$

$$= 79,56 \%$$

- Komposisi campuran eceng Gondok : Tkks (4 : 6)

  Berat sampel awal (a)   = 30 gram

  Berat *pulp* kering (b)   = 23,59 gram

  $$\% \text{ Rendemen } Pulp = \frac{(b)}{(a)} \times 100\%$$

  $$= \frac{23,59 \text{ gram}}{30 \text{ gram}} \times 100\%$$

  $$= 78,62 \%$$

- **Waktu pemasakan 90 Menit**
  - Komposisi campuran eceng Gondok : Tkks (8 : 2)

    Berat sampel awal (a)   = 30 gram

    Berat *pulp* kering (b)   = 23,26 gram

    $$\% \text{ Rendemen } Pulp = \frac{(b)}{(a)} \times 100\%$$

    $$= \frac{23,26 \text{ gram}}{30 \text{ gram}} \times 100\%$$

    $$= 77,53 \%$$
  - Komposisi campuran eceng Gondok : Tkks (7 : 3)

    Berat sampel awal (a)   = 30 gram

    Berat *pulp* kering (b)   = 23,78 gram

    $$\% \text{ Rendemen } Pulp = \frac{(b)}{(a)} \times 100\%$$

    $$= \frac{23,78 \text{ gram}}{30 \text{ gram}} \times 100\%$$

    $$= 79,25 \%$$

- Komposisi campuran eceng Gondok : Tkks (6 : 4)

  Berat sampel awal (a)　= 30 gram

  Berat *pulp* kering (b)　= 24,71 gram

  $$\% \text{ Rendemen } Pulp = \frac{(b)}{(a)} \text{ x } 100\%$$

  $$= \frac{24,71 \text{ gram}}{30 \text{ gram}} \text{ x } 100\%$$

  $$= 82,36 \%$$

- Komposisi campuran eceng Gondok : Tkks (5 : 5)

  Berat sampel awal (a)　= 30 gram

  Berat *pulp* kering (b)　= 24,02 gram

  $$\% \text{ Rendemen } Pulp = \frac{(b)}{(a)} \text{ x } 100\%$$

  $$= \frac{24,02 \text{ gram}}{30 \text{ gram}} \text{ x } 100\%$$

  $$= 80,05 \%$$

- Komposisi campuran eceng Gondok : Tkks (4 : 6)

  Berat sampel awal (a)　= 30 gram

  Berat *pulp* kering (b)　= 23,84 gram

  $$\% \text{ Rendemen } Pulp = \frac{(b)}{(a)} \text{ x } 100\%$$

  $$= \frac{23,84 \text{ gram}}{30 \text{ gram}} \text{ x } 100\%$$

  $$= 79,47 \%$$

- **Waktu pemasakan 120 Menit**
  - Komposisi campuran eceng Gondok : Tkks (8 : 2)

    Berat sampel awal (a)　= 30 gram

    Berat *pulp* kering (b)　= 22,21 gram

    $$\% \text{ Rendemen } Pulp = \frac{(b)}{(a)} \text{ x } 100\%$$

$$= \frac{22{,}21 \text{ gram}}{30 \text{ gram}} \text{ x } 100\%$$

$$= 74{,}03\%$$

- Komposisi campuran eceng Gondok : Tkks (7 : 3)

  Berat sampel awal (a)   = 30 gram

  Berat *pulp* kering (b)   = 21,14 gram

  % Rendemen *Pulp* $= \dfrac{(b)}{(a)} \text{ x } 100\%$

  $$= \frac{21{,}14 \text{ gram}}{30 \text{ gram}} \text{ x } 100\%$$

  $$= 70{,}46\%$$

- Komposisi campuran eceng Gondok : Tkks (6 : 4)

  Berat sampel awal (a)   = 30 gram

  Berat *pulp* kering (b)   =21,38 gram

  % Rendemen *Pulp* $= \dfrac{(b)}{(a)} \text{ x } 100\%$

  $$= \frac{21{,}38 \text{ gram}}{30 \text{ gram}} \text{ x } 100\%$$

  $$= 71{,}27\%$$

- Komposisi campuran eceng Gondok : Tkks (5 : 5)

  Berat sampel awal (a)   = 30 gram

  Berat *pulp* kering (b)   = 22,21 gram

  % Rendemen *Pulp* $= \dfrac{(b)}{(a)} \text{ x } 100\%$

  $$= \frac{22{,}21 \text{ gram}}{30 \text{ gram}} \text{ x } 100\%$$

  $$= 73{,}68\%$$

- Komposisi campuran eceng Gondok : Tkks (4 : 6)

  Berat sampel awal (a)   = 30 gram

  Berat *pulp* kering (b)   = 22,95 gram

$$\% \text{ Rendemen } Pulp = \frac{(b)}{(a)} \text{ x } 100\%$$

$$= \frac{22{,}95 \text{ gram}}{30 \text{ gram}} \text{ x } 100\%$$

$$= 76{,}51\%$$

B. Perhitungan Kadar Selulosa Pulp

- **Waktu pemasakan 60 Menit**

  - Komposisi campuran eceng Gondok : Tkks (8 : 2)

    Berat sampel awal (a) = 2 gram

    Berat endapan selulosa (b) =1,414 gram

    $$\% \text{ Kadar Selulosa } = \frac{(b)}{(a)} \text{ x } 100\%$$

    $$= \frac{1{,}414 \text{ gram}}{2 \text{ gram}} \text{ x } 100\%$$

    $$= 70{,}7 \text{ gram}\%$$

  - Komposisi campuran eceng Gondok : Tkks (7 : 3)

    Berat sampel awal (a) = 2 gram

    Berat endapan selulosa (b) = 1,378 gram

    $$\% \text{ Kadar Selulosa } = \frac{(b)}{(a)} \text{ x } 100\%$$

    $$= \frac{1{,}378 \text{ gram}}{2 \text{ gram}} \text{ x } 100\%$$

    $$= 68{,}89 \%$$

  - Komposisi campuran eceng Gondok : Tkks (6 : 4)

    Berat sampel awal (a) = 2 gram

    Berat endapan selulosa (b) = 1,438 gram

    $$\% \text{ Kadar Selulosa } = \frac{(b)}{(a)} \text{ x } 100\%$$

    $$= \frac{1{,}438 \text{ gram}}{2 \text{ gram}} \text{ x } 100\%$$

    $$= 71{,}9 \%$$

- Komposisi campuran eceng Gondok : Tkks (5 : 5)

  Berat sampel awal (a) = 2 gram

  Berat endapan selulosa (b) = 1,426 gram

  $$\% \text{ Kadar Selulosa} = \frac{(b)}{(a)} \times 100\%$$

  $$= \frac{1,426 \text{ gram}}{2 \text{ gram}} \times 100\%$$

  $$= 71,29\%$$

- Komposisi campuran eceng Gondok : Tkks (4 : 6)

  Berat sampel awal (a) = 2 gram

  Berat endapan selulosa (b) = 1,5 gram

  $$\% \text{ Kadar Selulosa} = \frac{(b)}{(a)} \times 100\%$$

  $$= \frac{1,5 \text{ gram}}{2 \text{ gram}} \times 100\%$$

  $$= 75\%$$

- **Waktu pemasakan 90 Menit**
  - Komposisi campuran eceng Gondok : Tkks (8 : 2)

    Berat sampel awal (a) = 2 gram

    Berat endapan selulosa (b) = 1,649 gram

    $$\% \text{ Kadar Selulosa} = \frac{(b)}{(a)} \times 100\%$$

    $$= \frac{1,649 \text{ gram}}{2 \text{ gram}} \times 100\%$$

    $$= 82,45\%$$

  - Komposisi campuran eceng Gondok : Tkks (7 : 3)

    Berat sampel awal (a) = 2 gram

    Berat endapan selulosa (b) = 1,625 gram

    $$\% \text{ Kadar Selulosa} = \frac{(b)}{(a)} \times 100\%$$

$$= \frac{1{,}625 \text{ gram}}{2 \text{ gram}} \times 100\%$$

$$= 81{,}26 \%$$

- Komposisi campuran eceng Gondok : Tkks (6 : 4)

  Berat sampel awal (a) = 2 gram

  Berat endapan selulosa (b) = 1,607 gram

  % Kadar Selulosa $= \dfrac{(b)}{(a)} \times 100\%$

  $\qquad\qquad\qquad = \dfrac{1{,}607 \text{ gram}}{2 \text{ gram}} \times 100\%$

  $\qquad\qquad\qquad = 80{,}34\%$

- Komposisi campuran eceng Gondok : Tkks (5 : 5)

  Berat sampel awal (a) = 2 gram

  Berat endapan selulosa (b) = 1,550 gram

  % Kadar Selulosa $= \dfrac{(b)}{(a)} \times 100\%$

  $\qquad\qquad\qquad = \dfrac{1{,}550 \text{ gram}}{2 \text{ gram}} \times 100\%$

  $\qquad\qquad\qquad = 77{,}52 \%$

- Komposisi campuran eceng Gondok : Tkks (4 : 6)

  Berat sampel awal (a) = 2 gram

  Berat endapan selulosa (b) = 1,521 gram

  % Kadar Selulosa $= \dfrac{(b)}{(a)} \times 100\%$

  $\qquad\qquad\qquad = \dfrac{1{,}521 \text{ gram}}{2 \text{ gram}} \times 100\%$

  $\qquad\qquad\qquad = 76{,}05\%$

- **Waktu pemasakan 120 Menit**
  - Komposisi campuran eceng Gondok : Tkks (8 : 2)

    Berat sampel awal (a) = 2 gram

Berat endapan selulosa (b)　　= 1,405 gram

$$\% \text{ Kadar Selulosa} = \frac{(b)}{(a)} \times 100\%$$

$$= \frac{1,405 \text{ gram}}{2 \text{ gram}} \times 100\%$$

$$= 70,26 \%$$

- Komposisi campuran eceng Gondok : Tkks (7 : 3)

Berat sampel awal (a)　　= 2 gram

Berat endapan selulosa (b)　　= 1,421 gram

$$\% \text{ Kadar Selulosa} = \frac{(b)}{(a)} \times 100\%$$

$$= \frac{1,421 \text{ gram}}{2 \text{ gram}} \times 100\%$$

$$= 71,07 \%$$

- Komposisi campuran eceng Gondok : Tkks (6 : 4)

Berat sampel awal (a)　　= 2 gram

Berat endapan selulosa (b)　　= 1,385 gram

$$\% \text{ Kadar Selulosa} = \frac{(b)}{(a)} \times 100\%$$

$$= \frac{1,385 \text{ gram}}{2 \text{ gram}} \times 100\%$$

$$= 69,26 \%$$

- Komposisi campuran eceng Gondok : Tkks (5 : 5)

Berat sampel awal (a)　　= 2 gram

Berat endapan selulosa (b)　　= 1,349 gram

$$\% \text{ Kadar Selulosa} = \frac{(b)}{(a)} \times 100\%$$

$$= \frac{1,349 \text{ gram}}{2 \text{ gram}} \times 100\%$$

$$= 67,43 \%$$

- Komposisi campuran eceng Gondok : Tkks (4 : 6)

  Berat sampel awal (a)　　　= 2 gram

  Berat endapan selulosa (b)　= 1,371 gram

  % Kadar Selulosa　= $\dfrac{(b)}{(a)}$ x 100%

  　　　　　　　= $\dfrac{1,371 \text{ gram}}{2 \text{ gram}}$ x 100%

  　　　　　　　= 68,55 %

C. Perhitungan Kadar abu

- **Waktu pemasakan 60 Menit**

  - Komposisi campuran eceng Gondok : Tkks (8 : 2)

    Berat sampel awal (a)　　　= 2 gram

    Berat abu (b)　　　　　　= 0,05 gram

    % Kadar abu　　= $\dfrac{(b)}{(a)}$ x 100%

    　　　　　　= $\dfrac{0,05 \text{ gram}}{2 \text{ gram}}$ x 100%

    　　　　　　= 2,5 %

  - Komposisi campuran eceng Gondok : Tkks (7 : 3)

    Berat sampel awal (a)　　　= 2 gram

    Berat abu (b)　　　　　　= 0,087 gram

    % Kadar abu　　= $\dfrac{(b)}{(a)}$ x 100%

    　　　　　　= $\dfrac{0,087 \text{ gram}}{2 \text{ gram}}$ x 100%

    　　　　　　= 4,35 %

  - Komposisi campuran eceng Gondok : Tkks (6 : 4)

    Berat sampel awal (a)　　　= 2 gram

    Berat abu (b)　　　　　　= 0,102 gram

    % Kadar abu　　= $\dfrac{(b)}{(a)}$ x 100%

$$= \frac{0,102 \text{ gram}}{2 \text{ gram}} \text{ x } 100\%$$

$$= 5,08 \%$$

- Komposisi campuran eceng Gondok : Tkks (5 : 5)

  Berat sampel awal (a) = 2 gram

  Berat abu (b) = 0,112 gram

  % Kadar abu $= \dfrac{(b)}{(a)} \text{ x } 100\%$

  $$= \frac{0,112 \text{ gram}}{2 \text{ gram}} \text{ x } 100\%$$

  $$= 5,6 \%$$

- Komposisi campuran eceng Gondok : Tkks (4 : 6)

  Berat sampel awal (a) = 2 gram

  Berat abu (b) = 0,170 gram

  % Kadar abu $= \dfrac{(b)}{(a)} \text{ x } 100\%$

  $$= \frac{0,170 \text{ gram}}{2 \text{ gram}} \text{ x } 100\%$$

  $$= 8,49\%$$

- **Waktu pemasakan 90 Menit**
  - Komposisi campuran eceng Gondok : Tkks (8 : 2)

    Berat sampel awal (a) = 2 gram

    Berat abu (b) = 0,05 gram

    % Kadar abu $= \dfrac{(b)}{(a)} \text{ x } 100\%$

    $$= \frac{0,05 \text{ gram}}{2 \text{ gram}} \text{ x } 100\%$$

    $$= 2,5 \%$$

  - Komposisi campuran eceng Gondok : Tkks (7 : 3)

    Berat sampel awal (a) = 2 gram

Berat abu (b) $= 0,075$ gram

% Kadar abu $= \dfrac{(b)}{(a)}$ x 100%

$= \dfrac{0,075 \text{ gram}}{2 \text{ gram}}$ x 100%

$= 3,73\ \%$

- Komposisi campuran eceng Gondok : Tkks (6 : 4)

Berat sampel awal (a) $= 2$ gram

Berat abu (b) $= 0,083$ gram

% Kadar abu $= \dfrac{(b)}{(a)}$ x 100%

$= \dfrac{0,083 \text{ gram}}{2 \text{ gram}}$ x 100%

$= 4,16\%$

- Komposisi campuran eceng Gondok : Tkks (5 : 5)

Berat sampel awal (a) $= 2$ gram

Berat abu (b) $= 0,123$ gram

% Kadar abu $= \dfrac{(b)}{(a)}$ x 100%

$= \dfrac{0,123 \text{ gram}}{2 \text{ gram}}$ x 100%

$= 6,15\ \%$

- Komposisi campuran eceng Gondok : Tkks (4 : 6)

Berat sampel awal (a) $= 2$ gram

Berat abu (b) $= 0,158$ gram

% Kadar abu $= \dfrac{(b)}{(a)}$ x 100%

$= \dfrac{0,158 \text{ gram}}{2 \text{ gram}}$ x 100%

$= 7,89\%$

- **Waktu pemasakan 120 Menit**

  - Komposisi campuran eceng Gondok : Tkks (8 : 2)

    Berat sampel awal (a) = 2 gram

    Berat abu (b) = 0,056 gram

    % Kadar abu $= \dfrac{(b)}{(a)}$ x 100%

    $= \dfrac{0,056 \text{ gram}}{2 \text{ gram}}$ x 100%

    = 2,8 %

  - Komposisi campuran eceng Gondok : Tkks (7 : 3)

    Berat sampel awal (a) = 2 gram

    Berat abu (b) = 0,071 gram

    % Kadar abu $= \dfrac{(b)}{(a)}$ x 100%

    $= \dfrac{0,071 \text{ gram}}{2 \text{ gram}}$ x 100%

    = 3,56 %

  - Komposisi campuran eceng Gondok : Tkks (6 : 4)

    Berat sampel awal (a) = 2 gram

    Berat abu (b) = 0,103 gram

    % Kadar abu $= \dfrac{(b)}{(a)}$ x 100%

    $= \dfrac{0,103 \text{ gram}}{2 \text{ gram}}$ x 100%

    = 5,17 %

  - Komposisi campuran eceng Gondok : Tkks (5 : 5)

    Berat sampel awal (a) = 2 gram

    Berat abu (b) = 0,154 gram

    % Kadar abu $= \dfrac{(b)}{(a)}$ x 100%

$$= \frac{0,154 \text{ gram}}{2 \text{ gram}} \text{ x } 100\%$$

$$= 7,69 \%$$

- Komposisi campuran eceng Gondok : Tkks (4 : 6)

Berat sampel awal (a) = 2 gram

Berat abu (b) = 0,177 gram

% Kadar abu $\quad = \dfrac{(b)}{(a)} \text{ x } 100\%$

$$= \frac{0,177 \text{ gram}}{2 \text{ gram}} \text{ x } 100\%$$

$$= 8,87 \%$$

D. Perhitungan Kadar air

- **Waktu pemasakan 60 Menit**

  - Komposisi campuran eceng Gondok : Tkks (8 : 2)

    Berat sampel awal (a) = 2 gram

    Selisih berat sampel setelah dioven (b) = 0,129 gram

    % Kadar air $\quad = \dfrac{(b)}{(a)} \text{ x } 100\%$

    $$= \frac{0,129}{2 \text{ gram}} \text{ x } 100\%$$

    $$= 6,45 \%$$

  - Komposisi campuran eceng Gondok : Tkks (7 : 3)

    Berat sampel awal (a) = 2 gram

    Selisih berat sampel setelah dioven (b) = 0,144 gram

    % Kadar air $\quad = \dfrac{(b)}{(a)} \text{ x } 100\%$

    $$= \frac{0,144 \text{ gram}}{2 \text{ gram}} \text{ x } 100\%$$

    $$= 7,2 \%$$

  - Komposisi campuran eceng Gondok : Tkks (6 : 4)

    Berat sampel awal (a) = 2 gram

Selisih berat sampel setelah dioven (b)   = 0,169 gram

% Kadar air $= \dfrac{(b)}{(a)} \times 100\%$

$$= \dfrac{0,169 \text{ gram}}{2 \text{ gram}} \times 100\%$$

$$= 8,45 \%$$

- Komposisi campuran eceng Gondok : Tkks (5 : 5)

  Berat sampel awal (a)   = 2 gram

  Selisih berat sampel setelah dioven (b)   = 0,1834 gram

  % Kadar air $= \dfrac{(b)}{(a)} \times 100\%$

  $$= \dfrac{0,1834 \text{ gram}}{2 \text{ gram}} \times 100\%$$

  $$= 9,17\%$$

- Komposisi campuran eceng Gondok : Tkks (4 : 6)

  Berat sampel awal (a)   = 2 gram

  Selisih berat sampel setelah dioven (b)   = 0,1846 gram

  % Kadar air $= \dfrac{(b)}{(a)} \times 100\%$

  $$= \dfrac{0,1846 \text{ gram}}{2 \text{ gram}} \times 100\%$$

  $$= 9,23 \%$$

- **Waktu pemasakan 90 Menit**
  - Komposisi campuran eceng Gondok : Tkks (8 : 2)

    Berat sampel awal (a)   = 2 gram

    Selisih berat sampel setelah dioven (b)   = 0,13 gram

    % Kadar air $= \dfrac{(b)}{(a)} \times 100\%$

    $$= \dfrac{0,13 \text{ gram}}{2 \text{ gram}} \times 100\%$$

    $$= 6,5 \%$$

- Komposisi campuran eceng Gondok : Tkks (7 : 3)

  Berat sampel awal (a) $\qquad$ = 2 gram

  Berat sampel setelah dioven (b) $\qquad$ = 0,1422 gram

  % Kadar air $\quad = \dfrac{(b)}{(a)} \text{ x } 100\%$

  $\qquad = \dfrac{0{,}1422 \text{ gram}}{2 \text{ gram}} \text{ x } 100\%$

  $\qquad = 7{,}11 \%$

- Komposisi campuran eceng Gondok : Tkks (6 : 4)

  Berat sampel awal (a) $\qquad$ = 2 gram

  Selisih berat sampel setelah dioven (b) $\qquad$ = 0,1524 gram

  % Kadar air $\quad = \dfrac{(b)}{(a)} \text{ x } 100\%$

  $\qquad = \dfrac{0{,}1524 \text{ gram}}{2 \text{ gram}} \text{ x } 100\%$

  $\qquad = 7{,}62 \%$

- Komposisi campuran eceng Gondok : Tkks (5 : 5)

  Berat sampel awal (a) $\qquad$ = 2 gram

  Selisih berat sampel setelah dioven (b) $\qquad$ = 0,1602 gram

  % Kadar air $\quad = \dfrac{(b)}{(a)} \text{ x } 100\%$

  $\qquad = \dfrac{0{,}1602 \text{ gram}}{2 \text{ gram}} \text{ x } 100\%$

  $\qquad = 8{,}01 \%$

- Komposisi campuran eceng Gondok : Tkks (4 : 6)

  Berat sampel awal (a) $\qquad$ = 2 gram

  Selisih berat sampel setelah dioven (b) $\qquad$ = 0,1646 gram

  % Kadar air $\quad = \dfrac{(b)}{(a)} \text{ x } 100\%$

  $\qquad = \dfrac{0{,}1646 \text{ gram}}{2 \text{ gram}} \text{ x } 100\%$

$$= 8,23 \ \%$$

- **Waktu pemasakan 120 Menit**

  - Komposisi campuran eceng Gondok : Tkks (8 : 2)

    Berat sampel awal (a) = 2 gram

    Selisih berat sampel setelah dioven (b) = 0,1256 gram

    % Kadar air $= \dfrac{(b)}{(a)} \ x \ 100\%$

    $\qquad = \dfrac{0,1256 \ gram}{2 \ gram} \ x \ 100\%$

    $\qquad = \ 6,28 \ \%$

  - Komposisi campuran eceng Gondok : Tkks (7 : 3)

    Berat sampel awal (a) = 2 gram

    Selisih berat sampel setelah dioven (b) = 0,1402 gram

    % Kadar air $= \dfrac{(b)}{(a)} \ x \ 100\%$

    $\qquad = \dfrac{0,1402 \ gram}{2 \ gram} \ x \ 100\%$

    $\qquad = \ 7,01 \ \%$

  - Komposisi campuran eceng Gondok : Tkks (6 : 4)

    Berat sampel awal (a) = 2 gram

    Berat sampel setelah dioven (b) = 0,1472 gram

    % Kadar air $= \dfrac{(b)}{(a)} \ x \ 100\%$

    $\qquad = \dfrac{0,1472 \ gram}{2 \ gram} \ x \ 100\%$

    $\qquad = \ 7,36 \ \%$

  - Komposisi campuran eceng Gondok : Tkks (5 : 5)

    Berat sampel awal (a) = 2 gram

    Berat sampel setelah dioven (b) = 0,1556 gram

    % Kadar air $= \dfrac{(b)}{(a)} \ x \ 100\%$

$$= \frac{0{,}1556 \text{ gram}}{2 \text{ gram}} \text{ x } 100\%$$

$$= 7{,}83 \%$$

- Komposisi campuran eceng Gondok : Tkks (4 : 6)

    Berat sampel awal (a)   = 2 gram

    Berat sampel setelah dioven (b)   = 0,1548 gram

    % Kadar air $= \dfrac{(b)}{(a)} \text{ x } 100\%$

    $$= \frac{0{,}1548 \text{ gram}}{2 \text{ gram}} \text{ x } 100\%$$

    $$= 7{,}92 \%$$

E. Perhitungan Kadar Lignin

- **Waktu pemasakan 60 Menit**

    - Komposisi campuran eceng Gondok : Tkks (8 : 2)

        Berat sampel awal (a)   = 2 gram

        Berat endapan lignin (b)   = 0,1134 gram

        % Kadar lignin $= \dfrac{(b)}{(a)} \text{ x } 100\%$

        $$= \frac{0{,}1134 \text{ gram}}{2 \text{ gram}} \text{ x } 100\%$$

        $$= 5{,}67 \%$$

    - Komposisi campuran eceng Gondok : Tkks (7 : 3)

        Berat sampel awal (a)   = 2 gram

        Berat endapan lignin (b)   = 0,1554 gram

        % Kadar lignin $= \dfrac{(b)}{(a)} \text{ x } 100\%$

        $$= \frac{0{,}1554 \text{ gram}}{2 \text{ gram}} \text{ x } 100\%$$

        $$= 7{,}77 \%$$

- Komposisi campuran eceng Gondok : Tkks (6 : 4)

  Berat sampel awal (a)   = 2 gram

  Berat endapan lignin (b)   = 0,1766 gram

  $$\% \text{ Kadar lignin} = \frac{(b)}{(a)} \times 100\%$$

  $$= \frac{0,1766 \text{ gram}}{2 \text{ gram}} \times 100\%$$

  $$= 8,83\%$$

- Komposisi campuran eceng Gondok : Tkks (5 : 5)

  Berat sampel awal (a)   = 2 gram

  Berat endapan lignin (b)   = 0,1874 gram

  $$\% \text{ Kadar lignin} = \frac{(b)}{(a)} \times 100\%$$

  $$= \frac{0,1874 \text{ gram}}{2 \text{ gram}} \times 100\%$$

  $$= 9,37\%$$

- Komposisi campuran eceng Gondok : Tkks (4 : 6)
- Berat sampel awal (a)   = 2 gram
- Berat endapan lignin (b)   = 0,203 gram

  $$\% \text{ Kadar lignin} = \frac{(b)}{(a)} \times 100\%$$

  $$= \frac{0,203 \text{ gram}}{2 \text{ gram}} \times 100\%$$

  $$= 10,15\%$$

- **Waktu pemasakan 90 Menit**
  - Komposisi campuran eceng Gondok : Tkks (8 : 2)

    Berat sampel awal (a)   = 2 gram

    Berat endapan lignin (b)   = 0,1112 gram

    $$\% \text{ Kadar lignin} = \frac{(b)}{(a)} \times 100\%$$

$$= \frac{0{,}1112 \text{ gram}}{2 \text{ gram}} \text{ x } 100\%$$

$$= 5{,}56\%$$

- Komposisi campuran eceng Gondok : Tkks (7 : 3)

  Berat sampel awal (a)   = 2 gram

  Berat endapan lignin (b)   = 0,1242 gram

  % Kadar lignin $= \dfrac{(b)}{(a)} \text{ x } 100\%$

  $$= \frac{0{,}1242 \text{ gram}}{2 \text{ gram}} \text{ x } 100\%$$

  $$= 6{,}21 \%$$

- Komposisi campuran eceng Gondok : Tkks (6 : 4)

  Berat sampel awal (a)   = 2 gram

  Berat endapan lignin (b)   = 0,15 gram

  % Kadar lignin $= \dfrac{(b)}{(a)} \text{ x } 100\%$

  $$= \frac{0{,}15 \text{ gram}}{2 \text{ gram}} \text{ x } 100\%$$

  $$= 7{,}5 \%$$

- Komposisi campuran eceng Gondok : Tkks (5 : 5)

  Berat sampel awal (a)   = 2 gram

  Berat endapan lignin (b)   = 0,1784 gram

  % Kadar lignin $= \dfrac{(b)}{(a)} \text{ x } 100\%$

  $$= \frac{0{,}1784 \text{ gram}}{2 \text{ gram}} \text{ x } 100\%$$

  $$= 8{,}92 \%$$

- Komposisi campuran eceng Gondok : Tkks (4 : 6)

  Berat sampel awal (a)   = 2 gram

  Berat endapan lignin (b)   = 0,1948 gram

% Kadar lignin $= \dfrac{(b)}{(a)}$ x 100%

$= \dfrac{0,1948 \text{ gram}}{2 \text{ gram}}$ x 100%

$= 9,74\ \%$

- **Waktu pemasakan 120 Menit**

  - Komposisi campuran eceng Gondok : Tkks (8 : 2)
  - Berat sampel awal (a) = 2 gram
  - Berat endapan lignin (b) = 0,1224 gram

  % Kadar lignin $= \dfrac{(b)}{(a)}$ x 100%

  $= \dfrac{0,1224 \text{ gram}}{2 \text{ gram}}$ x 100%

  $= 6,12\%$

  - Komposisi campuran eceng Gondok : Tkks (7 : 3)
  - Berat sampel awal (a) = 2 gram
  - Berat endapan lignin (b) = 0,1306 gram

  % Kadar lignin $= \dfrac{(b)}{(a)}$ x 100%

  $= \dfrac{0,1306 \text{ gram}}{2 \text{ gram}}$ x 100%

  $= 6,53\ \%$

  - Komposisi campuran eceng Gondok : Tkks (6 : 4)

  Berat sampel awal (a) = 2 gram

  Berat endapan lignin (b) = 0,148 gram

  % Kadar lignin $= \dfrac{(b)}{(a)}$ x 100%

  $= \dfrac{0,148}{2 \text{ gram}}$ x 100%

  $= 7,4\ \%$

- Komposisi campuran eceng Gondok : Tkks (5 : 5)
- Berat sampel awal (a)   = 2 gram
- Berat endapan lignin (b)   = 0,1714 gram

$$\% \text{ Kadar lignin} \quad = \frac{(b)}{(a)} \times 100\%$$

$$= \frac{0,1714 \text{ gram}}{2 \text{ gram}} \times 100\%$$

$$= \ 8,57 \ \%$$

- Komposisi campuran eceng Gondok : Tkks (4 : 6)

  Berat sampel awal (a)   = 2 gram

  Berat endapan lignin (b)   = 0,182 gram

$$\% \text{ Kadar lignin} \quad = \frac{(b)}{(a)} \times 100\%$$

$$= \frac{0,182 \text{ gram}}{2 \text{ gram}} \times 100\%$$

$$= \ 9,1 \ \%$$