DAFTAR PUSTAKA

Anonim. 1958. Fibre Board and Other Particle Board. FAO, UN Rome.


Lampiran 1. Hasil pengujian kadar air, sidik ragam

dan Newman Keuls

a. Hasil pengujian kadar air (%)

<table>
<thead>
<tr>
<th>Kerapatan (B) (g/cm³)</th>
<th>Ukuran Partikel (A)</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Halus (A1)</td>
<td>Sedang (A2)</td>
<td>Campuran (A3)</td>
</tr>
<tr>
<td>0.50-0.59 (B1)</td>
<td>4.88</td>
<td>5.15</td>
<td>3.75</td>
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<tr>
<td></td>
<td>5.62</td>
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<td></td>
<td>5.26</td>
<td>5.20</td>
<td>4.06</td>
</tr>
<tr>
<td>Rata-rata</td>
<td>5.32</td>
<td>5.25</td>
<td>4.20</td>
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</tbody>
</table>

| 0.60-0.69 (B2)       | 7.42       | 4.66       | 5.99       |
|                       | 7.39       | 6.24       | 5.98       |
|                       | 7.62       | 4.62       | 6.35       |
|                       | 6.98       | 5.28       | 6.18       |
| Rata-rata             | 7.35       | 5.19       | 6.13       |

| 0.70-0.79 (B3)       | 6.12       | 5.50       | 6.59       |
|                       | 6.40       | 8.30       | 7.38       |
|                       | 6.45       | 7.90       | 7.02       |
|                       | 6.32       | 6.90       | 6.86       |
| Rata-rata             | 6.32       | 7.15       | 6.96       |

b. Hasil sidik ragam

<table>
<thead>
<tr>
<th>Sumber keragaman</th>
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<th>JK</th>
<th>RJK</th>
<th>Nilai F Hit</th>
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<th>0.01</th>
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</tr>
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<td>11.251</td>
<td>37.989*</td>
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<td>AB</td>
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<td>2.944</td>
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*) Beda nyata
c. Uji beda dengan metode Newman Keuls

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<td>Karapatan</td>
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</tr>
<tr>
<td>b3</td>
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</tr>
<tr>
<td>b2</td>
<td>6.225</td>
<td>*</td>
</tr>
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<td>*</td>
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<td>a2b1</td>
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| (\(\)) idak berbeda |
| (*) berbeda nyata   |
Lampiran 2. Hasil perhitungan sidik ragam kadar air

\[ \bar{y}^2 = \frac{a}{1} \bar{E_1} + \frac{b}{1} \bar{E_1} + \frac{n}{k=1} \bar{E_{ijk}} \]

\[ = (4.88)^2 + (5.62)^2 + \ldots + (6.86)^2 \]

\[ = 1334.3755 \]

\[ = 4^2 \text{ / abn} \]

\[ = (215.48)^2 / 3 \times 3 \times 4 \]

\[ = 1289.767 \]

\[ = \frac{a}{1} \left( \frac{\bar{J}_{100}}{\text{bn}} \right) - Ry \]

\[ = \frac{(75.96)^2 + (70.37)^2 + (69.15)^2}{3 \times 4} - 1289.767 \]

\[ = 2.198 \]

\[ = \frac{b}{1} \left( \frac{\bar{J}_{010}}{an} \right) - Ry \]

\[ = \frac{(59.04)^2 + (74.70)^2 + (81.74)^2}{3 \times 4} - 1289.767 \]

\[ = 22.503 \]

\[ = \frac{a}{1} \left( \frac{\bar{J}_{110}}{n} \right) - Ry \]

\[ = \frac{(21.26)^2 + (20.98)^2 + \ldots + (27.85)^2}{4} - 1289.767 \]

\[ = 36.4772 \]

\[ = J_{ab} - A_y - B_y \]

\[ = 36.4772 - 2.198 - 22.503 \]

\[ = 11.776 \]

\[ = \frac{E_{y^2}}{4} - R_y - A_y - B_y - AB_y \]

\[ = 1334.3755 - 1289.767 - 2.198 - 22.503 - 11.776 \]

\[ = 8.125 \]
### Lampiran 3. Hasil pengujian kerapatan, sidik ragam dan Newman Keuls

#### a. Hasil pengujian kerapatan (g/cm³)

<table>
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<tr>
<th>Kerapatan (B) (g/cm³)</th>
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<th></th>
<th></th>
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<tbody>
<tr>
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<td>Halus (A1)</td>
<td>Sedang (A2)</td>
<td>Campuran (A3)</td>
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<td>0.59</td>
<td>0.59</td>
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<tr>
<td></td>
<td>0.58</td>
<td>0.58</td>
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<td>0.59</td>
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<tr>
<td>0.70-0.79 (B3)</td>
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<td>0.77</td>
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<td>0.78</td>
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<td>0.79</td>
<td>0.76</td>
<td>0.78</td>
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<td>Rata-rata</td>
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#### b. Hasil sidik ragam

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<th>RJK</th>
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*berbeda nyata*
c. Uji beda dengan metode Newman Keuls

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<th>Urutan rataan</th>
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*berbeda nyata
Lampiran 4. Hasil pengujian penyerapan air, sidik ragam dan Newman Keuls

a. Hasil pengujian penyerapan air 24 jam (%)

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<th>Kerapatan (B) (g/cm³)</th>
<th>Ukuran Partikel (A)</th>
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<tbody>
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<td></td>
<td>Halus (A1)</td>
<td>Sedang (A2)</td>
<td>Campuran (A3)</td>
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<tr>
<td>0.50-0.69 (B1)</td>
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<td>57.81</td>
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<td>57.77</td>
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<tr>
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b. Hasil sidik ragam

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</table>

*berbeda nyata
c. Uji beda dengan metode Newman Keuls

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<th>Urutan rataan</th>
<th>Keterangan</th>
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*tidak berbeda berbeda nyata
Lampiran 5. Hasil pengujian pengembangan tebal, sidik ragam dan Newman Keuls

a. Hasil pengujian pengembangan tebal (%)

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<th>Kerapatan (B) (g/cm³)</th>
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<td>Sedang (A2)</td>
<td>Campuran (A3)</td>
<td></td>
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<tr>
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<td>18.17</td>
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</tr>
<tr>
<td>0.60-0.69 (B2)</td>
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<td>10.83</td>
<td>11.41</td>
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<td>10.95</td>
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<tr>
<td>0.70-0.79 (B3)</td>
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<td>18.67</td>
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b. Hasil sidik ragam

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<th>RJK</th>
<th>Nilai F</th>
<th>hit 0.05</th>
<th>0.01</th>
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<td>6.292*</td>
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*) Perbeda nyata
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<th>Kombinasi a dan b</th>
<th>Ukuran partikel</th>
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<th>*</th>
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<td>a1b1</td>
<td>15.56</td>
<td>15.0066</td>
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<td>15.0066</td>
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<td>a2b1</td>
<td>16.19</td>
<td>15.0066</td>
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<td>a2b2</td>
<td>17.93</td>
<td>15.0066</td>
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<td>15.0066</td>
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<tr>
<td>a3b2</td>
<td>15.49</td>
<td>15.0066</td>
<td>**</td>
</tr>
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**Keterangan:**
- *: Signifikansi kecil
- **: Signifikansi sedang
- ***: Signifikansi besar

Hasil Uji Beda dengan Metode Newman Keuls
Lampiran 6. Hasil pengujian modulus elastisitas, sifat ragam dan Newman Keuls

<table>
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<th>Kerapatan (B) (g/cm³)</th>
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<th>Halus (A1)</th>
<th>Sedang (A2)</th>
<th>Campuran (A3)</th>
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<tbody>
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<td></td>
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<td>13719.51</td>
<td>20454.55</td>
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<td>14686.94</td>
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<td>13705.84</td>
<td>13936.57</td>
<td>21777.22</td>
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b. Hasil sidik ragam

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<th>RJK</th>
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<td>hit</td>
<td></td>
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<tr>
<td>2 253988864.0</td>
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<td>12</td>
<td>65.012*3.35</td>
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<td>2 229719040.0</td>
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<td>58.800*3.35</td>
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<td></td>
<td></td>
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<td>4 32809472.0</td>
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<td>9</td>
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<tr>
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*berbeda nyata
c. Uji beda dengan metode Newman Keuls

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<tr>
<td>a2'</td>
<td>12708.62</td>
<td>*</td>
</tr>
<tr>
<td>a1</td>
<td>11250.34</td>
<td>*</td>
</tr>
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<td>*</td>
</tr>
<tr>
<td>b1</td>
<td>10416.28</td>
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<td>a3b3</td>
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<td>a3b2</td>
<td>17309.87</td>
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<tr>
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*) tidak berbeda  
**) beda nyata
Lampiran 7. Hasil pengujian modulus patah, sidik ragam dan Newman Keuls

a. Hasil pengujian modulus patah

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<td></td>
<td>Halus (A1)</td>
<td>Sedang (A2)</td>
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<td>0.50-0.55 (B1)</td>
<td>77.40</td>
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<td>68.40</td>
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<tr>
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<td>73.80</td>
<td><strong>108.23</strong></td>
</tr>
<tr>
<td>0.60-0.69 (B2)</td>
<td>122.40</td>
<td>138.60</td>
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<tr>
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<td>120.60</td>
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b. Hasil sidik ragam

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<th>RJK</th>
<th>Nilai F</th>
<th>hit 0.05</th>
<th>0.01</th>
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<tbody>
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<td>95.445*3.35</td>
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<td>30367.750</td>
<td>15183.875</td>
<td>134.00*3.35</td>
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<td>MR</td>
<td>4</td>
<td>1211.313</td>
<td>302.828</td>
<td>2.673 2.73</td>
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<tr>
<td>At</td>
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<th>Ukuran partikel</th>
<th>Sumber keragaman</th>
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<td>174.9</td>
<td>*</td>
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<td>144.7125</td>
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<td>139.8</td>
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<td>**</td>
<td>107.025</td>
<td>1&gt;5.125</td>
<td>115.1625</td>
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*Uji beda dengan metode Newman-Kuels
Lampiran 8. Hasil pengujian keteguhan tarik tegak lurus permukaan, sidik ragam dan Newman Keuls

a. Hasil pengujian keteguhan rekat internal

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<th>Sedang (A2)</th>
<th>Campuran (A3)</th>
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<td><strong>1.44</strong></td>
<td><strong>1.69</strong></td>
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b. Hasil sidik ragam

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<th>RJK</th>
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*berbeda nyata
c. Uji beda dengan metode Newman Keuls

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* Tanda bermakna beda nyata

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2. Dilarang mengumpulkan dan memperbanyak sebagian atau seluruh konten dan menyebutkan sumber asli, penulis laporan, penulisi kritik atau tinjauan suatu modul. Bogor Agricultural University