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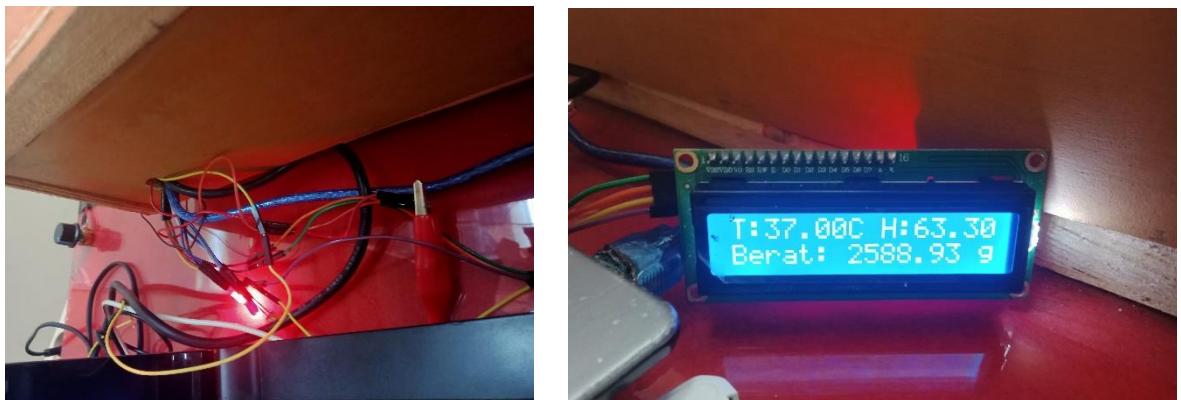
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LAMPIRAN

Lampiran 1 Dokumentasi perancangan alat sistem kontrol suhu, kelembaban dan massa inkubator bayi dan pengujian sistem



Lampiran 2 Dokumentasi LED dan tampilan pada LCD



Lampiran 3 Tabel data perbandingan suhu sensor DHT22 dan *thermohygrometer*

| Sampel Ke | Data Pengukuran Suhu | | |
|-----------|-----------------------|------------|-----------------|
| | Thermohygrometer (°C) | DHT22 (°C) | Nilai Error (%) |
| 1 | 31,1 | 31,1 | 0 |
| 2 | 32,0 | 32,0 | 0 |
| 3 | 33,0 | 33,0 | 0 |
| 4 | 34,0 | 34,0 | 0 |
| 5 | 35,0 | 35,0 | 0 |
| 6 | 36,0 | 36,0 | 0 |
| 7 | 37,0 | 37,0 | 0 |
| 8 | 38,1 | 38,1 | 0 |
| 9 | 39,1 | 39,1 | 0 |
| 10 | 40,0 | 40,0 | 0 |
| Rata-rata | | | 0 |

Lampiran 4 Tabel data perbandingan kelembaban sensor DHT22 dan *thermohygrometer*

| Sampel ke | Data Pengukuran Kelembaban | | |
|-----------|----------------------------|-------------|-----------------|
| | Themohygrometer (%RH) | DHT22 (%RH) | Nilai Error (%) |
| 1 | 55 | 55 | 0 |
| 2 | 56 | 56 | 0 |
| 3 | 57 | 57 | 0 |
| 4 | 58 | 57,99 | 0,017244352 |
| 5 | 59 | 58,99 | 0,016952026 |
| 6 | 60 | 59,99 | 0,016669445 |
| 7 | 61 | 60,99 | 0,016396131 |
| 8 | 62 | 61,99 | 0,016131634 |
| 9 | 63 | 62,99 | 0,015875536 |
| 10 | 64 | 63,99 | 0,015627442 |
| Rata-rata | | | 0,011489657 |

Lampiran 5 Tabel data pengujian massa sensor *load cell* dan timbangan digital

| Sampel Ke | Data Pengukuran Massa | | |
|-----------|------------------------|----------------|------------------------|
| | Timbangan Digital (Kg) | Load Cell (Kg) | Nilai <i>Error</i> (%) |
| 1 | 0,511 | 0,511061 | 0,011937378 |
| 2 | 1,027 | 1,027171 | 0,016650438 |
| 3 | 1,542 | 1,542059 | 0,003826200 |
| 4 | 2,053 | 2,053130 | 0,006332197 |
| 5 | 2,626 | 2,626154 | 0,005864433 |
| 6 | 3,133 | 3,133134 | 0,004277051 |
| 7 | 3,643 | 3,643216 | 0,005929179 |
| 8 | 4,148 | 4,148194 | 0,004676953 |
| 9 | 4,658 | 4,658123 | 0,002640618 |
| 10 | 5,167 | 5,167194 | 0,003754596 |
| Rata-rata | | | 0,006588904 |

Lampiran 6 Tabel data hasil pengujian

| No | Suhu | Kelembaban | Massa |
|-----|------|------------|-------|
| 1. | 32 | 85,5 | 1,5 |
| 2. | 32 | 85,4 | 1,5 |
| 3. | 32 | 85,4 | 1,5 |
| 4. | 32 | 85,4 | 1,5 |
| 5. | 32 | 85,3 | 1,5 |
| 6. | 32 | 85,1 | 1,5 |
| 7. | 32 | 85,3 | 1,5 |
| 8. | 32 | 85,4 | 1,5 |
| 9. | 32 | 85,5 | 1,5 |
| 10. | 32 | 85,7 | 1,5 |
| 11. | 32 | 86,2 | 1,5 |
| 12. | 32 | 86,4 | 1,5 |
| 13. | 32 | 86,3 | 1,5 |
| 14. | 32 | 86,3 | 1,5 |
| 15. | 32 | 86,3 | 1,5 |
| 16. | 32 | 86,3 | 1,5 |
| 17. | 32 | 86,4 | 1,5 |
| 18. | 32 | 86,4 | 1,5 |
| 19. | 32 | 86,4 | 1,5 |
| 20. | 32 | 86,4 | 1,5 |
| 21. | 32 | 86,4 | 1,5 |
| 22. | 32 | 86,5 | 1,5 |
| 23. | 32 | 86,4 | 1,5 |
| 24. | 32 | 83,9 | 1,5 |
| 25. | 32 | 83,9 | 1,5 |
| 26. | 32,1 | 84,1 | 1,5 |
| 27. | 32,1 | 84,2 | 1,5 |
| 28. | 32,1 | 84,3 | 1,5 |
| 29. | 32,1 | 84,5 | 1,5 |
| 30. | 32,1 | 84,6 | 1,5 |
| 31. | 32,1 | 84,7 | 1,5 |
| 32. | 32,1 | 84,8 | 1,5 |
| 33. | 32,1 | 84,9 | 1,5 |
| 34. | 32,1 | 84,9 | 1,5 |
| 35. | 32,1 | 85 | 1,5 |
| 36. | 32,1 | 85,1 | 1,5 |
| 37. | 32,1 | 85,2 | 1,5 |
| 38. | 32,1 | 85,3 | 1,5 |
| 39. | 32,1 | 85,4 | 1,5 |
| 40. | 32,1 | 85,4 | 1,5 |

| No | Suhu | Kelembaban | Massa |
|-----|------|------------|-------|
| 41. | 32,1 | 85,5 | 1,5 |
| 42. | 32,1 | 85,6 | 1,5 |
| 43. | 32,1 | 85,6 | 1,5 |
| 44. | 32,1 | 85,6 | 1,5 |
| 45. | 32,1 | 85,6 | 1,5 |
| 46. | 32,1 | 85,6 | 1,5 |
| 47. | 32,1 | 85,7 | 1,5 |
| 48. | 32,1 | 85,7 | 1,5 |
| 49. | 32,2 | 85,7 | 1,5 |
| 50. | 32,2 | 85,8 | 1,5 |
| 51. | 32,2 | 85,8 | 1,5 |
| 52. | 32,2 | 85,8 | 1,5 |
| 53. | 32,2 | 85,8 | 1,5 |
| 54. | 32,2 | 85,8 | 1,5 |
| 55. | 32,2 | 85,8 | 1,5 |
| 56. | 32,2 | 85,8 | 1,5 |
| 57. | 32,2 | 85,8 | 1,5 |
| 58. | 32,2 | 85,8 | 1,5 |
| 59. | 32,1 | 85,7 | 1,5 |
| 60. | 32,1 | 85,9 | 1,5 |
| 61. | 32 | 86 | 1,5 |
| 62. | 32 | 86 | 1,5 |
| 63. | 32 | 86 | 1,5 |
| 64. | 32 | 86 | 1,5 |
| 65. | 32 | 86 | 1,5 |
| 66. | 32 | 85,9 | 1,5 |
| 67. | 32 | 85,9 | 1,5 |
| 68. | 32 | 85,8 | 1,5 |
| 69. | 32 | 85,8 | 1,5 |
| 70. | 32 | 85,8 | 1,5 |
| 71. | 32 | 85,8 | 1,5 |
| 72. | 32 | 85,8 | 1,5 |
| 73. | 32 | 85,7 | 1,5 |
| 74. | 32 | 85,7 | 1,5 |
| 75. | 32 | 85,7 | 1,5 |
| 76. | 32 | 85,7 | 1,5 |
| 77. | 32 | 85,7 | 1,5 |
| 78. | 32 | 85,7 | 1,5 |
| 79. | 32 | 85 | 1,5 |
| 80. | 32 | 84,4 | 1,5 |

| No | Suhu | Kelembaban | Massa |
|------|------|------------|-------|
| 81. | 32 | 83,9 | 1,5 |
| 82. | 32,1 | 83,8 | 1,5 |
| 83. | 32,1 | 83,9 | 1,5 |
| 84. | 32,1 | 83,9 | 1,5 |
| 85. | 32 | 84 | 1,5 |
| 86. | 32 | 84,1 | 1,5 |
| 87. | 32 | 84,2 | 1,5 |
| 88. | 32 | 84,4 | 1,5 |
| 89. | 32 | 84,4 | 1,5 |
| 90. | 32 | 84,5 | 1,5 |
| 91. | 32 | 84,5 | 1,5 |
| 92. | 32 | 84,6 | 1,5 |
| 93. | 32 | 84,7 | 1,5 |
| 94. | 32 | 84,7 | 1,5 |
| 95. | 32 | 84,7 | 1,5 |
| 96. | 32 | 84,7 | 1,5 |
| 97. | 32 | 84,8 | 1,5 |
| 98. | 32 | 84,8 | 1,5 |
| 99. | 32 | 84,8 | 1,5 |
| 100. | 32 | 84,8 | 1,5 |
| 101. | 32 | 84,8 | 1,5 |
| 102. | 32 | 84,8 | 1,5 |
| 103. | 32 | 84,8 | 1,5 |
| 104. | 32 | 84,8 | 1,5 |
| 105. | 32 | 84,8 | 1,5 |
| 106. | 32 | 84,8 | 1,5 |
| 107. | 32 | 84,8 | 1,5 |
| 108. | 32 | 84,8 | 1,5 |
| 109. | 32 | 84,8 | 1,5 |
| 110. | 32 | 84,8 | 1,5 |
| 111. | 32 | 84,8 | 1,5 |
| 112. | 32 | 84,9 | 1,5 |
| 113. | 32 | 84,9 | 1,5 |
| 114. | 32 | 84,9 | 1,5 |
| 115. | 32 | 84,9 | 1,5 |
| 116. | 32 | 84,9 | 1,5 |
| 117. | 32 | 84,9 | 1,5 |
| 118. | 32 | 84,9 | 1,5 |
| 119. | 32 | 84,9 | 1,5 |
| 120. | 32 | 84,9 | 1,5 |

| No | Suhu | Kelembaban | Massa |
|------|------|------------|-------|
| 121. | 32 | 84,9 | 1,5 |
| 122. | 32 | 84,9 | 1,5 |
| 123. | 32 | 84,8 | 1,5 |
| 124. | 32 | 84,8 | 1,5 |
| 125. | 32 | 84,8 | 1,5 |
| 126. | 32 | 84,8 | 1,5 |
| 127. | 32 | 84,8 | 1,5 |
| 128. | 32 | 84,8 | 1,5 |
| 129. | 32 | 84,8 | 1,5 |
| 130. | 32 | 84,7 | 1,5 |
| 131. | 32 | 84,8 | 1,5 |
| 132. | 32 | 84,8 | 1,5 |
| 133. | 32 | 84,8 | 1,5 |
| 134. | 32 | 84,8 | 1,5 |
| 135. | 32 | 84,8 | 1,5 |
| 136. | 32 | 82,5 | 1,5 |
| 137. | 32 | 82,6 | 1,5 |
| 138. | 32 | 82,5 | 1,5 |
| 139. | 32 | 82,6 | 1,5 |
| 140. | 32 | 82,8 | 1,5 |
| 141. | 32 | 82,9 | 1,5 |
| 142. | 32 | 83 | 1,5 |
| 143. | 32 | 83,1 | 1,5 |
| 144. | 32 | 83,3 | 1,5 |
| 145. | 32 | 83,4 | 1,5 |
| 146. | 32 | 83,4 | 1,5 |
| 147. | 32 | 83,5 | 1,5 |
| 148. | 32 | 83,6 | 1,5 |
| 149. | 32 | 83,6 | 1,5 |
| 150. | 32 | 83,6 | 1,5 |
| 151. | 32 | 83,7 | 1,5 |
| 152. | 32 | 83,7 | 1,5 |
| 153. | 32 | 83,7 | 1,5 |
| 154. | 32 | 83,7 | 1,5 |
| 155. | 32 | 83,7 | 1,5 |
| 156. | 32 | 83,7 | 1,5 |
| 157. | 32 | 83,8 | 1,5 |
| 158. | 32 | 83,8 | 1,5 |
| 159. | 32 | 83,8 | 1,5 |
| 160. | 32 | 83,8 | 1,5 |

Seterusnya hingga 8640 baris

