**Table 1.0. Volume of gas produced per day by domestic waste and weeds as obtained from experiential setup 1.**

|  |  |  |
| --- | --- | --- |
| **Days** | **Daily Gas Production**  **(cm3)** | **Cumulative Volume**  **(cm3)** |
|  | - | - |
|  | - | - |
|  | - | - |
|  | - | - |
|  | - | - |
|  | - | - |
|  | 50 | 50 |
|  | 56 | 106 |
|  | 58 | 164 |
|  | 69 | 233 |
|  | 77 | 310 |
|  | 92 | 402 |
|  | 110 | 512 |
|  | 132 | 644 |
|  | 140 | 784 |
|  | 142 | 924 |
|  | 143 | 1067 |
|  | 146 | 1213 |
|  | 143 | 1256 |
|  | 144 | 1500 |
|  | 139 | 1639 |
|  | 132 | 1771 |

**Table 1.2. Volume of gas produced daily by various ratio of poultry dropping to organic waste and weeds as obtained from experimental setup 2.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Days** | **25%P: 75% W (cm3)** | **50%P: 50% W (cm3)** | **75%P: 75% P (cm3)** | **25%P: 75% GH (cm3)** | **25%P: 75% GH (cm3)** |
|  | - | - | - | - | - |
|  | - | - | - | - | - |
|  | - | - | - | - | - |
|  | - | - | - | - | - |
|  | - | - | - | - | - |
|  | - | - | 4 | - | - |
|  | - | 6 | 9 | - | - |
|  | 10 | 25 | 12 | 9 | - |
|  | 17 | 36 | 29 | 12 | 8 |
|  | 19 | 39 | 36 | 27 | 10 |
|  | 23 | 42 | 45 | 31 | 14 |
|  | 27 | 47 | 48 | 34 | 16 |
|  | 34 | 52 | 49 | 38 | 25 |
|  | 39 | 56 | 52 | 41 | 32 |
|  | 42 | 58 | 55 | 43 | 38 |
|  | 46 | 59 | 56 | 47 | 42 |
|  | 45 | 62 | 58 | 47 | 43 |
|  | 47 | 63 | 61 | 48 | 45 |
|  | 48 | 65 | 60 | 49 | 44 |
|  | 47 | 68 | 62 | 52 | 46 |
|  | 45 | 67 | 58 | 57 | 43 |
|  | 41 | 64 | 57 | 51 | 39 |
| **TOTAL** | **557** | **809** | **696** | **586** | **406** |

Keys used in table headings above are:-P - (Poultry dropping), W - (weeds), OP - (Orange peeling) and GH - (Groundnut Husk)

**Table 1.3: Burning characteristic of biogas produced, as determined from experimental setup 3.**

|  |  |
| --- | --- |
| **Day of Test after gas production** | **Test by ignition with the aid of Match and Bunsen burner** |
| 1 - 5 | No burning |
| 6 - 8 | Little burning |
| 9 - end | Proper burning |

**Table 1.4. Volume of gas produced per day in a restarted digester as obtained from experiential setup 1.**

| **Days** | **Daily Gas Production**  **(cm3)** | **Cumulative Volume**  **(cm3)** |
| --- | --- | --- |
|  | - | - |
|  | - | - |
|  | 44 | 44 |
|  | 70 | 114 |
|  | 84 | 198 |
|  | 99 | 297 |
|  | 120 | 417 |
|  | 136 | 553 |
|  | 147 | 700 |
|  | 149 | 849 |
|  | 150 | 999 |
|  | 152 | 1151 |
|  | 151 | 1302 |
|  | 149 | 1451 |
|  | 152 | 1603 |
|  | 148 | 1751 |
|  | 147 | 1898 |
|  | 141 | 2039 |
|  | 137 | 2178 |
|  | 136 | 2314 |
|  | 131 | 2576 |
|  | 129 | 2705 |