



ภาคผนวก

ตาราง 4 บันทึกผลการทดลองเวลา 1020วันที่ 17 ก.พ. 2554 อัตราการไหลของน้ำ 0.062

$$\text{kg/sTa} = 30 \text{ }^{\circ}\text{C} \quad T_H = 45 \text{ }^{\circ}\text{C}$$

| เวลา | T _{in} (°C) | T _{out} (°C) | ความเข้มรังสีตรง (W) | Q _U (W) | Q _{RH} (W) | Q _{CH} (W) | Q _P (W) |
|----------|-------------------------|--------------------------|-------------------------|-----------------------|------------------------|------------------------|-----------------------|
| 10_20_1 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_2 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_3 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_4 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_5 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_6 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_7 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_8 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_9 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_10 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_11 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_12 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_13 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_14 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_15 | 29 | 37 | 3,066.33 | 2,073.28 | 1.77 | 1.20 | 2,076.25 |
| 10_20_16 | 29 | 37 | 3,066.33 | 2,073.28 | 1.77 | 1.20 | 2,076.25 |
| 10_20_17 | 29 | 37 | 3,066.33 | 2,073.28 | 1.77 | 1.20 | 2,076.25 |
| 10_20_18 | 29 | 37 | 3,066.33 | 2,073.28 | 1.77 | 1.20 | 2,076.25 |
| 10_20_19 | 29 | 37 | 3,066.33 | 2,073.28 | 1.77 | 1.20 | 2,076.25 |
| 10_20_20 | 29 | 37 | 3,066.33 | 2,073.28 | 1.77 | 1.20 | 2,076.25 |
| 10_20_21 | 29 | 37 | 3,066.33 | 2,073.28 | 1.77 | 1.20 | 2,076.25 |
| 10_20_22 | 29 | 37 | 3,066.33 | 2,073.28 | 1.77 | 1.20 | 2,076.25 |
| 10_20_23 | 29 | 37 | 3,066.33 | 2,073.28 | 1.77 | 1.20 | 2,076.25 |
| 10_20_24 | 29 | 37 | 3,066.33 | 2,073.28 | 1.77 | 1.20 | 2,076.25 |
| 10_20_25 | 29 | 37 | 3,066.33 | 2,073.28 | 1.77 | 1.20 | 2,076.25 |
| 10_20_26 | 29 | 38 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_27 | 29 | 38 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_28 | 29 | 38 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_29 | 29 | 38 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_30 | 29 | 38 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |

ตาราง 4(ต่อ)

| เวลา | T _{in} (°C) | T _{out} (°C) | ความเข้มรังสีตรง (W) | Q _U (W) | Q _{RH} (W) | Q _{CH} (W) | Q _P (W) |
|-----------|-------------------------|--------------------------|-------------------------|-----------------------|------------------------|------------------------|-----------------------|
| 10_20_31 | 29 | 38 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_32 | 29 | 38 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_33 | 29 | 38 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_34 | 29 | 38 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_35 | 29 | 38 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_36 | 29 | 38 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_37 | 29 | 38 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_38 | 29 | 38 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_39 | 29 | 38 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_40 | 29 | 38 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_41 | 29 | 38 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_42 | 29 | 38 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_43 | 28 | 38 | 3,066.33 | 2,591.60 | 1.77 | 1.20 | 2,594.57 |
| 10_20_44 | 28 | 38 | 3,066.33 | 2,591.60 | 1.77 | 1.20 | 2,594.57 |
| 10_20_45 | 28 | 38 | 3,066.33 | 2,591.60 | 1.77 | 1.20 | 2,594.57 |
| 10_20_46 | 28 | 38 | 3,066.33 | 2,591.60 | 1.77 | 1.20 | 2,594.57 |
| 10_20_47 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_48 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_49 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_50 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_51 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_52 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_53 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_54 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_55 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_56 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_57 | 28 | 37 | 3,066.33 | 2,332.44 | 1.77 | 1.20 | 2,335.41 |
| 10_20_58 | 29 | 37 | 3,066.33 | 2,073.28 | 1.77 | 1.20 | 2,076.25 |
| 10_20_59 | 29 | 37 | 3,066.33 | 2,073.28 | 1.77 | 1.20 | 2,076.25 |
| 10_21_00 | 29 | 37 | 3,066.33 | 2,073.28 | 1.77 | 1.20 | 2,076.25 |
| ค่าเฉลี่ย | 28.52 | 37.35 | 3,066.33 | 2,289.25 | 1.77 | 1.20 | 2,292.22 |

ตาราง 5 บันทึกผลการทดลองเวลา 1115วันที่ 17 ก.พ. 2554 อัตราการไหลของน้ำ 0.064

kg/s $T_a = 32^{\circ}\text{C}$ $T_H = 47^{\circ}\text{C}$

| เวลา | T _{in} (°C) | T _{out} (°C) | ความเข้มรังสีตรง (W) | Q _U (W) | Q _{RH} (W) | Q _{CH} (W) | Q _P (W) |
|----------|-------------------------|--------------------------|-------------------------|-----------------------|------------------------|------------------------|-----------------------|
| 11_15_1 | 29 | 38 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_2 | 29 | 38 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_3 | 29 | 38 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_4 | 29 | 38 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_5 | 29 | 38 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_6 | 29 | 38 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_7 | 30 | 38 | 3,099.93 | 2,140.16 | 1.81 | 1.20 | 2,143.17 |
| 11_15_8 | 30 | 38 | 3,099.93 | 2,140.16 | 1.81 | 1.20 | 2,143.17 |
| 11_15_9 | 30 | 38 | 3,099.93 | 2,140.16 | 1.81 | 1.20 | 2,143.17 |
| 11_15_10 | 30 | 38 | 3,099.93 | 2,140.16 | 1.81 | 1.20 | 2,143.17 |
| 11_15_11 | 30 | 38 | 3,099.93 | 2,140.16 | 1.81 | 1.20 | 2,143.17 |
| 11_15_12 | 30 | 39 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_13 | 30 | 39 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_14 | 30 | 39 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_15 | 30 | 39 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_16 | 30 | 39 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_17 | 30 | 39 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_18 | 30 | 39 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_19 | 30 | 39 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_20 | 30 | 39 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_21 | 30 | 39 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_22 | 30 | 39 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_23 | 30 | 39 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_24 | 30 | 39 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_25 | 30 | 39 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_26 | 30 | 39 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_27 | 31 | 39 | 3,099.93 | 2,140.16 | 1.81 | 1.20 | 2,143.17 |
| 11_15_28 | 31 | 39 | 3,099.93 | 2,140.16 | 1.81 | 1.20 | 2,143.17 |
| 11_15_29 | 31 | 39 | 3,099.93 | 2,140.16 | 1.81 | 1.20 | 2,143.17 |
| 11_15_30 | 31 | 40 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |

ตาราง 5(ต่อ)

| เวลา | T _{in} (°C) | T _{out} (°C) | ความเข้มรังสีตรง (W) | Q _U (W) | Q _{RH} (W) | Q _{CH} (W) | Q _P (W) |
|-----------|-------------------------|--------------------------|-------------------------|-----------------------|------------------------|------------------------|-----------------------|
| 11_15_31 | 31 | 40 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_32 | 31 | 40 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_33 | 31 | 40 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_34 | 31 | 40 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_35 | 31 | 40 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_36 | 31 | 40 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_37 | 31 | 40 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_38 | 31 | 40 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_39 | 31 | 40 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_40 | 31 | 40 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_41 | 31 | 40 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_42 | 31 | 40 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_43 | 31 | 40 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_44 | 31 | 40 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_45 | 31 | 40 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_46 | 31 | 40 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_47 | 31 | 40 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_48 | 31 | 40 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_49 | 31 | 40 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_50 | 31 | 39 | 3,099.93 | 2,140.16 | 1.81 | 1.20 | 2,143.17 |
| 11_15_51 | 31 | 39 | 3,099.93 | 2,140.16 | 1.81 | 1.20 | 2,143.17 |
| 11_15_52 | 30 | 39 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_53 | 30 | 39 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_54 | 30 | 39 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_55 | 30 | 39 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_56 | 30 | 39 | 3,099.93 | 2,407.68 | 1.81 | 1.20 | 2,410.69 |
| 11_15_57 | 30 | 38 | 3,099.93 | 2,140.16 | 1.81 | 1.20 | 2,143.17 |
| 11_15_58 | 30 | 38 | 3,099.93 | 2,140.16 | 1.81 | 1.20 | 2,143.17 |
| 11_15_59 | 30 | 38 | 3,099.93 | 2,140.16 | 1.81 | 1.20 | 2,143.17 |
| 11_16_00 | 30 | 38 | 3,099.93 | 2,140.16 | 1.81 | 1.20 | 2,143.17 |
| ค่าเฉลี่ย | 30.32 | 39.08 | 3,099.93 | 2,345.26 | 1.81 | 1.20 | 2,348.27 |

ตาราง 6 บันทึกผลการทดลองเวลา 1206วันที่ 17 ก.พ. 2554 อัตราการไหลของน้ำ 0.059

kg/s $T_a = 33^{\circ}\text{C}$ $T_H = 49^{\circ}\text{C}$

| เวลา | T _{in} (°C) | T _{out} (°C) | ความเข้มรังสีตรง (W) | Q _U (W) | Q _{RH} (W) | Q _{CH} (W) | Q _P (W) |
|----------|-------------------------|--------------------------|-------------------------|-----------------------|------------------------|------------------------|-----------------------|
| 12_06_1 | 31 | 42 | 3,260.95 | 2712.82 | 1.96 | 1.28 | 2716.06 |
| 12_06_2 | 31 | 42 | 3,260.95 | 2712.82 | 1.96 | 1.28 | 2716.06 |
| 12_06_3 | 31 | 42 | 3,260.95 | 2712.82 | 1.96 | 1.28 | 2716.06 |
| 12_06_4 | 31 | 42 | 3,260.95 | 2712.82 | 1.96 | 1.28 | 2716.06 |
| 12_06_5 | 31 | 42 | 3,260.95 | 2712.82 | 1.96 | 1.28 | 2716.06 |
| 12_06_6 | 31 | 42 | 3,260.95 | 2712.82 | 1.96 | 1.28 | 2716.06 |
| 12_06_7 | 31 | 42 | 3,260.95 | 2712.82 | 1.96 | 1.28 | 2716.06 |
| 12_06_8 | 31 | 42 | 3,260.95 | 2712.82 | 1.96 | 1.28 | 2716.06 |
| 12_06_9 | 31 | 42 | 3,260.95 | 2712.82 | 1.96 | 1.28 | 2716.06 |
| 12_06_10 | 31 | 42 | 3,260.95 | 2712.82 | 1.96 | 1.28 | 2716.06 |
| 12_06_11 | 31 | 41 | 3,260.95 | 2466.2 | 1.96 | 1.28 | 2469.44 |
| 12_06_12 | 31 | 41 | 3,260.95 | 2466.2 | 1.96 | 1.28 | 2469.44 |
| 12_06_13 | 31 | 41 | 3,260.95 | 2466.2 | 1.96 | 1.28 | 2469.44 |
| 12_06_14 | 31 | 41 | 3,260.95 | 2466.2 | 1.96 | 1.28 | 2469.44 |
| 12_06_15 | 31 | 41 | 3,260.95 | 2466.2 | 1.96 | 1.28 | 2469.44 |
| 12_06_16 | 31 | 41 | 3,260.95 | 2466.2 | 1.96 | 1.28 | 2469.44 |
| 12_06_17 | 31 | 41 | 3,260.95 | 2466.2 | 1.96 | 1.28 | 2469.44 |
| 12_06_18 | 31 | 41 | 3,260.95 | 2466.2 | 1.96 | 1.28 | 2469.44 |
| 12_06_19 | 31 | 41 | 3,260.95 | 2466.2 | 1.96 | 1.28 | 2469.44 |
| 12_06_20 | 32 | 42 | 3,260.95 | 2466.2 | 1.96 | 1.28 | 2469.44 |
| 12_06_21 | 32 | 42 | 3,260.95 | 2466.2 | 1.96 | 1.28 | 2469.44 |
| 12_06_22 | 32 | 42 | 3,260.95 | 2466.2 | 1.96 | 1.28 | 2469.44 |
| 12_06_23 | 32 | 42 | 3,260.95 | 2466.2 | 1.96 | 1.28 | 2469.44 |
| 12_06_24 | 32 | 42 | 3,260.95 | 2466.2 | 1.96 | 1.28 | 2469.44 |
| 12_06_25 | 32 | 42 | 3,260.95 | 2466.2 | 1.96 | 1.28 | 2469.44 |
| 12_06_26 | 32 | 42 | 3,260.95 | 2466.2 | 1.96 | 1.28 | 2469.44 |
| 12_06_27 | 32 | 42 | 3,260.95 | 2466.2 | 1.96 | 1.28 | 2469.44 |
| 12_06_28 | 32 | 42 | 3,260.95 | 2466.2 | 1.96 | 1.28 | 2469.44 |
| 12_06_29 | 32 | 42 | 3,260.95 | 2466.2 | 1.96 | 1.28 | 2469.44 |
| 12_06_30 | 32 | 42 | 3,260.95 | 2466.2 | 1.96 | 1.28 | 2716.06 |

ตาราง 6(ต่อ)

| เวลา | T _{in} (°C) | T _{out} (°C) | ความเข้มรังสีตรง (W) | Q _U (W) | Q _{RH} (W) | Q _{CH} (W) | Q _P (W) |
|-----------|-------------------------|--------------------------|-------------------------|-----------------------|------------------------|------------------------|-----------------------|
| 12_06_31 | 32 | 42 | 3,260.95 | 2,466.20 | 1.96 | 1.28 | 2,469.44 |
| 12_06_32 | 32 | 42 | 3,260.95 | 2,466.20 | 1.96 | 1.28 | 2,469.44 |
| 12_06_33 | 32 | 42 | 3,260.95 | 2,466.20 | 1.96 | 1.28 | 2,469.44 |
| 12_06_34 | 32 | 42 | 3,260.95 | 2,466.20 | 1.96 | 1.28 | 2,469.44 |
| 12_06_35 | 32 | 42 | 3,260.95 | 2,466.20 | 1.96 | 1.28 | 2,469.44 |
| 12_06_36 | 32 | 42 | 3,260.95 | 2,466.20 | 1.96 | 1.28 | 2,469.44 |
| 12_06_37 | 32 | 42 | 3,260.95 | 2,466.20 | 1.96 | 1.28 | 2,469.44 |
| 12_06_38 | 31 | 42 | 3,260.95 | 2,712.82 | 1.96 | 1.28 | 2,469.44 |
| 12_06_39 | 31 | 42 | 3,260.95 | 2,712.82 | 1.96 | 1.28 | 2,469.44 |
| 12_06_40 | 31 | 42 | 3,260.95 | 2,712.82 | 1.96 | 1.28 | 2,716.06 |
| 12_06_41 | 31 | 42 | 3,260.95 | 2,712.82 | 1.96 | 1.28 | 2,716.06 |
| 12_06_42 | 31 | 42 | 3,260.95 | 2,712.82 | 1.96 | 1.28 | 2,716.06 |
| 12_06_43 | 31 | 42 | 3,260.95 | 2,712.82 | 1.96 | 1.28 | 2,716.06 |
| 12_06_44 | 31 | 43 | 3,260.95 | 2,959.44 | 1.96 | 1.28 | 2,716.06 |
| 12_06_45 | 31 | 43 | 3,260.95 | 2,959.44 | 1.96 | 1.28 | 2,716.06 |
| 12_06_46 | 31 | 43 | 3,260.95 | 2,959.44 | 1.96 | 1.28 | 2,962.68 |
| 12_06_47 | 31 | 43 | 3,260.95 | 2,959.44 | 1.96 | 1.28 | 2,962.68 |
| 12_06_48 | 31 | 43 | 3,260.95 | 2,959.44 | 1.96 | 1.28 | 2,962.68 |
| 12_06_49 | 31 | 43 | 3,260.95 | 2,959.44 | 1.96 | 1.28 | 2,962.68 |
| 12_06_50 | 31 | 42 | 3,260.95 | 2,712.82 | 1.96 | 1.28 | 2,962.68 |
| 12_06_51 | 31 | 42 | 3,260.95 | 2,712.82 | 1.96 | 1.28 | 2,962.68 |
| 12_06_52 | 31 | 42 | 3,260.95 | 2,712.82 | 1.96 | 1.28 | 2,716.06 |
| 12_06_53 | 31 | 42 | 3,260.95 | 2,712.82 | 1.96 | 1.28 | 2,716.06 |
| 12_06_54 | 32 | 42 | 3,260.95 | 2,466.20 | 1.96 | 1.28 | 2,716.06 |
| 12_06_55 | 32 | 42 | 3,260.95 | 2,466.20 | 1.96 | 1.28 | 2,716.06 |
| 12_06_56 | 32 | 41 | 3,260.95 | 2,219.58 | 1.96 | 1.28 | 2,469.44 |
| 12_06_57 | 32 | 41 | 3,260.95 | 2,219.58 | 1.96 | 1.28 | 2,469.44 |
| 12_06_58 | 32 | 41 | 3,260.95 | 2,219.58 | 1.96 | 1.28 | 2,222.82 |
| 12_06_59 | 32 | 41 | 3,260.95 | 2,219.58 | 1.96 | 1.28 | 2,222.82 |
| 12_07_00 | 32 | 41 | 3,260.95 | 2,219.58 | 1.96 | 1.28 | 2,222.82 |
| ค่าเฉลี่ย | 31.42 | 41.88 | 3,260.95 | 2581.29 | 1.96 | 1.28 | 2,584.52 |

ตาราง 7 บันทึกผลการทดลองเวลา 1327วันที่ 17 ก.พ. 2554 อัตราการไหลของน้ำ 0.06 kg/s

$T_a = 33^{\circ}\text{C}$ $T_H = 49^{\circ}\text{C}$

| เวลา | T _{in} (°C) | T _{out} (°C) | ความเข้มรังสีตรง (W) | Q _U (W) | Q _{RH} (W) | Q _{CH} (W) | Q _P (W) |
|----------|-------------------------|--------------------------|-------------------------|-----------------------|------------------------|------------------------|-----------------------|
| 13_27_01 | 32 | 41 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_02 | 32 | 41 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_03 | 32 | 41 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_04 | 32 | 41 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_05 | 32 | 41 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_06 | 32 | 41 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_07 | 32 | 41 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_08 | 32 | 41 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_09 | 32 | 41 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_10 | 32 | 40 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |
| 13_27_11 | 32 | 40 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |
| 13_27_12 | 32 | 40 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |
| 13_27_13 | 32 | 40 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |
| 13_27_14 | 32 | 40 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |
| 13_27_15 | 32 | 40 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |
| 13_27_16 | 32 | 40 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |
| 13_27_17 | 31 | 40 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_18 | 31 | 40 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_19 | 31 | 40 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_20 | 31 | 40 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_21 | 31 | 40 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_22 | 31 | 39 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |
| 13_27_23 | 31 | 39 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |
| 13_27_24 | 31 | 39 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |
| 13_27_25 | 31 | 39 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |
| 13_27_26 | 31 | 39 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |
| 13_27_27 | 31 | 39 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |
| 13_27_28 | 31 | 39 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |
| 13_27_29 | 31 | 39 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |
| 13_27_30 | 31 | 39 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |

ตาราง 7(ต่อ)

| เวลา | T _{in} (°C) | T _{out} (°C) | ความเข้มรังสีตรง (W) | Q _U (W) | Q _{RH} (W) | Q _{CH} (W) | Q _P (W) |
|-----------|-------------------------|--------------------------|-------------------------|-----------------------|------------------------|------------------------|-----------------------|
| 13_27_31 | 31 | 39 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |
| 13_27_32 | 31 | 39 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |
| 13_27_33 | 31 | 39 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |
| 13_27_34 | 31 | 39 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |
| 13_27_35 | 31 | 39 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |
| 13_27_36 | 31 | 40 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_37 | 31 | 40 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_38 | 31 | 40 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_39 | 31 | 40 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_40 | 31 | 40 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_41 | 31 | 40 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_42 | 31 | 41 | 3,019.97 | 2,508.00 | 1.96 | 1.28 | 2,511.24 |
| 13_27_43 | 31 | 41 | 3,019.97 | 2,508.00 | 1.96 | 1.28 | 2,511.24 |
| 13_27_44 | 31 | 41 | 3,019.97 | 2,508.00 | 1.96 | 1.28 | 2,511.24 |
| 13_27_45 | 31 | 41 | 3,019.97 | 2,508.00 | 1.96 | 1.28 | 2,511.24 |
| 13_27_46 | 31 | 41 | 3,019.97 | 2,508.00 | 1.96 | 1.28 | 2,511.24 |
| 13_27_47 | 31 | 41 | 3,019.97 | 2,508.00 | 1.96 | 1.28 | 2,511.24 |
| 13_27_48 | 31 | 41 | 3,019.97 | 2,508.00 | 1.96 | 1.28 | 2,511.24 |
| 13_27_49 | 31 | 41 | 3,019.97 | 2,508.00 | 1.96 | 1.28 | 2,511.24 |
| 13_27_50 | 31 | 40 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_51 | 32 | 40 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |
| 13_27_52 | 32 | 40 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |
| 13_27_53 | 32 | 40 | 3,019.97 | 2,006.40 | 1.96 | 1.28 | 2,009.64 |
| 13_27_54 | 32 | 41 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_55 | 32 | 41 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_56 | 32 | 41 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_57 | 32 | 41 | 3,019.97 | 2,257.20 | 1.96 | 1.28 | 2,260.44 |
| 13_27_58 | 31 | 41 | 3,019.97 | 2,508.00 | 1.96 | 1.28 | 2,511.24 |
| 13_27_59 | 31 | 41 | 3,019.97 | 2,508.00 | 1.96 | 1.28 | 2,511.24 |
| 13_28_00 | 31 | 42 | 3,019.97 | 2,758.80 | 1.96 | 1.28 | 2,762.04 |
| ค่าเฉลี่ย | 31.38 | 40.18 | 3,019.97 | 2,207.04 | 1.96 | 1.28 | 2,210.28 |

ตาราง 8 บันทึกผลการทดลองเวลา 1425วันที่ 17 ก.พ. 2554 อัตราการไหลของน้ำ 0.061

kg/s $T_a = 33^{\circ}\text{C}$ $T_H = 48^{\circ}\text{C}$

| เวลา | T _{in} (°C) | T _{out} (°C) | ความเข้มรังสีตรง (W) | Q _U (W) | Q _{RH} (W) | Q _{CH} (W) | Q _P (W) |
|----------|-------------------------|--------------------------|-------------------------|-----------------------|------------------------|------------------------|-----------------------|
| 14_25_01 | 30 | 39 | 2,874.93 | 2,294.82 | 1.82 | 1.20 | 2,297.84 |
| 14_25_02 | 30 | 39 | 2,874.93 | 2,294.82 | 1.82 | 1.20 | 2,297.84 |
| 14_25_03 | 30 | 39 | 2,874.93 | 2,294.82 | 1.82 | 1.20 | 2,297.84 |
| 14_25_04 | 30 | 39 | 2,874.93 | 2,294.82 | 1.82 | 1.20 | 2,297.84 |
| 14_25_05 | 30 | 39 | 2,874.93 | 2,294.82 | 1.82 | 1.20 | 2,297.84 |
| 14_25_06 | 30 | 39 | 2,874.93 | 2,294.82 | 1.82 | 1.20 | 2,297.84 |
| 14_25_07 | 30 | 39 | 2,874.93 | 2,294.82 | 1.82 | 1.20 | 2,297.84 |
| 14_25_08 | 30 | 39 | 2,874.93 | 2,294.82 | 1.82 | 1.20 | 2,297.84 |
| 14_25_09 | 30 | 39 | 2,874.93 | 2,294.82 | 1.82 | 1.20 | 2,297.84 |
| 14_25_10 | 30 | 39 | 2,874.93 | 2,294.82 | 1.82 | 1.20 | 2,297.84 |
| 14_25_11 | 30 | 39 | 2,874.93 | 2,294.82 | 1.82 | 1.20 | 2,297.84 |
| 14_25_12 | 31 | 39 | 2,874.93 | 2,039.84 | 1.82 | 1.20 | 2,042.86 |
| 14_25_13 | 31 | 39 | 2,874.93 | 2,039.84 | 1.82 | 1.20 | 2,042.86 |
| 14_25_14 | 31 | 39 | 2,874.93 | 2,039.84 | 1.82 | 1.20 | 2,042.86 |
| 14_25_15 | 31 | 39 | 2,874.93 | 2,039.84 | 1.82 | 1.20 | 2,042.86 |
| 14_25_16 | 31 | 39 | 2,874.93 | 2,039.84 | 1.82 | 1.20 | 2,042.86 |
| 14_25_17 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_18 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_19 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_20 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_21 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_22 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_23 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_24 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_25 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_26 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_27 | 30 | 38 | 2,874.93 | 2,039.84 | 1.82 | 1.20 | 2,042.86 |
| 14_25_28 | 30 | 38 | 2,874.93 | 2,039.84 | 1.82 | 1.20 | 2,042.86 |
| 14_25_29 | 30 | 38 | 2,874.93 | 2,039.84 | 1.82 | 1.20 | 2,042.86 |
| 14_25_30 | 30 | 38 | 2,874.93 | 2,039.84 | 1.82 | 1.20 | 2,042.86 |

ตาราง 8(ต่อ)

| เวลา | T _{in} (°C) | T _{out} (°C) | ความเข้มรังสีตรง (W) | Q _U (W) | Q _{RH} (W) | Q _{CH} (W) | Q _P (W) |
|-----------|-------------------------|--------------------------|-------------------------|-----------------------|------------------------|------------------------|-----------------------|
| 14_25_31 | 30 | 38 | 2,874.93 | 2,039.84 | 1.82 | 1.20 | 2,042.86 |
| 14_25_32 | 30 | 38 | 2,874.93 | 2,039.84 | 1.82 | 1.20 | 2,042.86 |
| 14_25_33 | 30 | 39 | 2,874.93 | 2,294.82 | 1.82 | 1.20 | 2,297.84 |
| 14_25_34 | 30 | 39 | 2,874.93 | 2,294.82 | 1.82 | 1.20 | 2,297.84 |
| 14_25_35 | 30 | 39 | 2,874.93 | 2,294.82 | 1.82 | 1.20 | 2,297.84 |
| 14_25_36 | 30 | 39 | 2,874.93 | 2,294.82 | 1.82 | 1.20 | 2,297.84 |
| 14_25_37 | 30 | 39 | 2,874.93 | 2,294.82 | 1.82 | 1.20 | 2,297.84 |
| 14_25_38 | 30 | 39 | 2,874.93 | 2,294.82 | 1.82 | 1.20 | 2,297.84 |
| 14_25_39 | 30 | 39 | 2,874.93 | 2,294.82 | 1.82 | 1.20 | 2,297.84 |
| 14_25_40 | 30 | 39 | 2,874.93 | 2,294.82 | 1.82 | 1.20 | 2,297.84 |
| 14_25_41 | 30 | 39 | 2,874.93 | 2,294.82 | 1.82 | 1.20 | 2,297.84 |
| 14_25_42 | 30 | 38 | 2,874.93 | 2,039.84 | 1.82 | 1.20 | 2,042.86 |
| 14_25_43 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_44 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_45 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_46 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_47 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_48 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_49 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_50 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_51 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_52 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_53 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_54 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_55 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_56 | 31 | 38 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_57 | 31 | 37 | 2,874.93 | 1,529.88 | 1.82 | 1.20 | 1,532.90 |
| 14_25_58 | 30 | 37 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_25_59 | 30 | 37 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| 14_26_00 | 30 | 37 | 2,874.93 | 1,784.86 | 1.82 | 1.20 | 1,787.88 |
| ค่าเฉลี่ย | 30.50 | 38.35 | 2,874.93 | 2,001.59 | 1.82 | 1.20 | 2,004.62 |

ตาราง 9 บันทึกผลการทดลองเวลา 1005วันที่ 18ก.พ. 2554 อัตราการไหลของน้ำ 0.061

kg/s $T_a = 31^{\circ}\text{C}$ $T_H = 46^{\circ}\text{C}$

| เวลา | T _{in} (°C) | T _{out} (°C) | ความเข้มรังสีตรง (W) | Q _U (W) | Q _{RH} (W) | Q _{CH} (W) | Q _P (W) |
|----------|-------------------------|--------------------------|-------------------------|-----------------------|------------------------|------------------------|-----------------------|
| 10_05_1 | 28 | 38 | 3,100.40 | 2,549.80 | 1.79 | 1.20 | 2,552.79 |
| 10_05_2 | 28 | 38 | 3,100.40 | 2,549.80 | 1.79 | 1.20 | 2,552.79 |
| 10_05_3 | 28 | 38 | 3,100.40 | 2,549.80 | 1.79 | 1.20 | 2,552.79 |
| 10_05_4 | 29 | 38 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_5 | 29 | 38 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_6 | 29 | 38 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_7 | 29 | 39 | 3,100.40 | 2,549.80 | 1.79 | 1.20 | 2,552.79 |
| 10_05_8 | 30 | 39 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_9 | 30 | 39 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_10 | 30 | 39 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_11 | 30 | 39 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_12 | 30 | 40 | 3,100.40 | 2,549.80 | 1.79 | 1.20 | 2,552.79 |
| 10_05_13 | 30 | 40 | 3,100.40 | 2,549.80 | 1.79 | 1.20 | 2,552.79 |
| 10_05_14 | 30 | 40 | 3,100.40 | 2,549.80 | 1.79 | 1.20 | 2,552.79 |
| 10_05_15 | 30 | 40 | 3,100.40 | 2,549.80 | 1.79 | 1.20 | 2,552.79 |
| 10_05_16 | 30 | 40 | 3,100.40 | 2,549.80 | 1.79 | 1.20 | 2,552.79 |
| 10_05_17 | 28 | 39 | 3,100.40 | 2,804.78 | 1.79 | 1.20 | 2,807.77 |
| 10_05_18 | 28 | 39 | 3,100.40 | 2,804.78 | 1.79 | 1.20 | 2,807.77 |
| 10_05_19 | 28 | 39 | 3,100.40 | 2,804.78 | 1.79 | 1.20 | 2,807.77 |
| 10_05_20 | 28 | 39 | 3,100.40 | 2,804.78 | 1.79 | 1.20 | 2,807.77 |
| 10_05_21 | 28 | 39 | 3,100.40 | 2,804.78 | 1.79 | 1.20 | 2,807.77 |
| 10_05_22 | 29 | 39 | 3,100.40 | 2,549.80 | 1.79 | 1.20 | 2,552.79 |
| 10_05_23 | 29 | 38 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_24 | 29 | 38 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_25 | 29 | 38 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_26 | 29 | 38 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_27 | 29 | 38 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_28 | 29 | 38 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_29 | 29 | 39 | 3,100.40 | 2,549.80 | 1.79 | 1.20 | 2,552.79 |
| 10_05_30 | 30 | 39 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |

ตาราง 9(ต่อ)

| เวลา | T _{in} (°C) | T _{out} (°C) | ความเข้มรังสีตรง (W) | Q _U (W) | Q _{RH} (W) | Q _{CH} (W) | Q _P (W) |
|-----------|-------------------------|--------------------------|-------------------------|-----------------------|------------------------|------------------------|-----------------------|
| 10_05_31 | 30 | 39 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_32 | 30 | 39 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_33 | 30 | 39 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_34 | 30 | 39 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_35 | 30 | 40 | 3,100.40 | 2,549.80 | 1.79 | 1.20 | 2,552.79 |
| 10_05_36 | 30 | 40 | 3,100.40 | 2,549.80 | 1.79 | 1.20 | 2,552.79 |
| 10_05_37 | 31 | 40 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_38 | 31 | 40 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_39 | 31 | 40 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_40 | 31 | 39 | 3,100.40 | 2,039.84 | 1.79 | 1.20 | 2,042.83 |
| 10_05_41 | 31 | 39 | 3,100.40 | 2,039.84 | 1.79 | 1.20 | 2,042.83 |
| 10_05_42 | 31 | 39 | 3,100.40 | 2,039.84 | 1.79 | 1.20 | 2,042.83 |
| 10_05_43 | 32 | 39 | 3,100.40 | 1,784.86 | 1.79 | 1.20 | 1,787.85 |
| 10_05_44 | 32 | 39 | 3,100.40 | 1,784.86 | 1.79 | 1.20 | 1,787.85 |
| 10_05_45 | 32 | 39 | 3,100.40 | 1,784.86 | 1.79 | 1.20 | 1,787.85 |
| 10_05_46 | 32 | 39 | 3,100.40 | 1,784.86 | 1.79 | 1.20 | 1,787.85 |
| 10_05_47 | 32 | 39 | 3,100.40 | 1,784.86 | 1.79 | 1.20 | 1,787.85 |
| 10_05_48 | 32 | 40 | 3,100.40 | 2,039.84 | 1.79 | 1.20 | 2,042.83 |
| 10_05_49 | 32 | 40 | 3,100.40 | 2,039.84 | 1.79 | 1.20 | 2,042.83 |
| 10_05_50 | 32 | 40 | 3,100.40 | 2,039.84 | 1.79 | 1.20 | 2,042.83 |
| 10_05_51 | 32 | 40 | 3,100.40 | 2,039.84 | 1.79 | 1.20 | 2,042.83 |
| 10_05_52 | 32 | 40 | 3,100.40 | 2,039.84 | 1.79 | 1.20 | 2,042.83 |
| 10_05_53 | 31 | 40 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_54 | 31 | 40 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_55 | 31 | 40 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_56 | 31 | 40 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_57 | 31 | 40 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_05_58 | 31 | 41 | 3,100.40 | 2,549.80 | 1.79 | 1.20 | 2,552.79 |
| 10_05_59 | 32 | 41 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| 10_06_00 | 32 | 41 | 3,100.40 | 2,294.82 | 1.79 | 1.20 | 2,297.81 |
| ค่าเฉลี่ย | 30.13 | 39.23 | 3,100.40 | 2,320.32 | 1.79 | 1.20 | 2,323.31 |

ตาราง 10 บันทึกผลการทดลองเวลา 1125วันที่ 18ก.พ. 2554 อัตราการไหลของน้ำ 0.06

kg/s $T_a = 32^{\circ}\text{C}$ $T_H = 48^{\circ}\text{C}$

| เวลา | T _{in} (°C) | T _{out} (°C) | ความเข้มรังสีตรง (W) | Q _U (W) | Q _{RH} (W) | Q _{CH} (W) | Q _P (W) |
|----------|-------------------------|--------------------------|-------------------------|-----------------------|------------------------|------------------------|-----------------------|
| 11_25_01 | 32 | 40 | 3,253.73 | 2006.40 | 1.94 | 1.28 | 2,009.62 |
| 11_25_02 | 32 | 40 | 3,253.73 | 2006.40 | 1.94 | 1.28 | 2,009.62 |
| 11_25_03 | 32 | 42 | 3,253.73 | 2508.00 | 1.94 | 1.28 | 2,511.22 |
| 11_25_04 | 32 | 42 | 3,253.73 | 2508.00 | 1.94 | 1.28 | 2,511.22 |
| 11_25_05 | 32 | 38 | 3,253.73 | 1504.80 | 1.94 | 1.28 | 1,508.02 |
| 11_25_06 | 33 | 38 | 3,253.73 | 1254.00 | 1.94 | 1.28 | 1,257.22 |
| 11_25_07 | 31 | 38 | 3,253.73 | 1755.60 | 1.94 | 1.28 | 1,758.82 |
| 11_25_08 | 31 | 38 | 3,253.73 | 1755.60 | 1.94 | 1.28 | 1,758.82 |
| 11_25_09 | 31 | 38 | 3,253.73 | 1755.60 | 1.94 | 1.28 | 1,758.82 |
| 11_25_10 | 31 | 39 | 3,253.73 | 2006.40 | 1.94 | 1.28 | 2,009.62 |
| 11_25_11 | 33 | 39 | 3,253.73 | 1504.80 | 1.94 | 1.28 | 1,508.02 |
| 11_25_12 | 33 | 42 | 3,253.73 | 2257.20 | 1.94 | 1.28 | 2,260.42 |
| 11_25_13 | 33 | 42 | 3,253.73 | 2257.20 | 1.94 | 1.28 | 2,260.42 |
| 11_25_14 | 33 | 43 | 3,253.73 | 2508.00 | 1.94 | 1.28 | 2,511.22 |
| 11_25_15 | 32 | 43 | 3,253.73 | 2758.80 | 1.94 | 1.28 | 2,762.02 |
| 11_25_16 | 32 | 42 | 3,253.73 | 2508.00 | 1.94 | 1.28 | 2,511.22 |
| 11_25_17 | 32 | 42 | 3,253.73 | 2508.00 | 1.94 | 1.28 | 2,511.22 |
| 11_25_18 | 32 | 41 | 3,253.73 | 2257.20 | 1.94 | 1.28 | 2,260.42 |
| 11_25_19 | 32 | 41 | 3,253.73 | 2257.20 | 1.94 | 1.28 | 2,260.42 |
| 11_25_20 | 32 | 41 | 3,253.73 | 2257.20 | 1.94 | 1.28 | 2,260.42 |
| 11_25_21 | 32 | 41 | 3,253.73 | 2257.20 | 1.94 | 1.28 | 2,260.42 |
| 11_25_22 | 29 | 41 | 3,253.73 | 3009.60 | 1.94 | 1.28 | 3,012.82 |
| 11_25_23 | 29 | 39 | 3,253.73 | 2508.00 | 1.94 | 1.28 | 2,511.22 |
| 11_25_24 | 29 | 39 | 3,253.73 | 2508.00 | 1.94 | 1.28 | 2,511.22 |
| 11_25_25 | 29 | 41 | 3,253.73 | 3009.60 | 1.94 | 1.28 | 3,012.82 |
| 11_25_26 | 29 | 41 | 3,253.73 | 3009.60 | 1.94 | 1.28 | 3,012.82 |
| 11_25_27 | 29 | 42 | 3,253.73 | 3260.40 | 1.94 | 1.28 | 3,263.62 |
| 11_25_28 | 30 | 42 | 3,253.73 | 3009.60 | 1.94 | 1.28 | 3,012.82 |
| 11_25_29 | 30 | 41 | 3,253.73 | 2758.80 | 1.94 | 1.28 | 2,762.02 |
| 11_25_30 | 30 | 41 | 3,253.73 | 2758.80 | 1.94 | 1.28 | 2,762.02 |

ตาราง 10(ต่อ)

| เวลา | T _{in} (°C) | T _{out} (°C) | ความเข้มรังสีตรง (W) | Q _U (W) | Q _{RH} (W) | Q _{CH} (W) | Q _P (W) |
|-----------|-------------------------|--------------------------|-------------------------|-----------------------|------------------------|------------------------|-----------------------|
| 11_25_31 | 30 | 40 | 3,253.73 | 2,508.00 | 1.94 | 1.28 | 2,511.22 |
| 11_25_32 | 30 | 40 | 3,253.73 | 2,508.00 | 1.94 | 1.28 | 2,511.22 |
| 11_25_33 | 32 | 40 | 3,253.73 | 2,006.40 | 1.94 | 1.28 | 2,009.62 |
| 11_25_34 | 32 | 38 | 3,253.73 | 1,504.80 | 1.94 | 1.28 | 1,508.02 |
| 11_25_35 | 32 | 38 | 3,253.73 | 1,504.80 | 1.94 | 1.28 | 1,508.02 |
| 11_25_36 | 32 | 38 | 3,253.73 | 1,504.80 | 1.94 | 1.28 | 1,508.02 |
| 11_25_37 | 32 | 38 | 3,253.73 | 1,504.80 | 1.94 | 1.28 | 1,508.02 |
| 11_25_38 | 32 | 41 | 3,253.73 | 2,257.20 | 1.94 | 1.28 | 2,260.42 |
| 11_25_39 | 33 | 44 | 3,253.73 | 2,758.80 | 1.94 | 1.28 | 2,762.02 |
| 11_25_40 | 33 | 46 | 3,253.73 | 3,260.40 | 1.94 | 1.28 | 3,263.62 |
| 11_25_41 | 33 | 44 | 3,253.73 | 2,758.80 | 1.94 | 1.28 | 2,762.02 |
| 11_25_42 | 31 | 44 | 3,253.73 | 3,260.40 | 1.94 | 1.28 | 3,263.62 |
| 11_25_43 | 31 | 45 | 3,253.73 | 3,511.20 | 1.94 | 1.28 | 3,514.42 |
| 11_25_44 | 31 | 45 | 3,253.73 | 3,511.20 | 1.94 | 1.28 | 3,514.42 |
| 11_25_45 | 31 | 44 | 3,253.73 | 3,260.40 | 1.94 | 1.28 | 3,263.62 |
| 11_25_46 | 31 | 44 | 3,253.73 | 3,260.40 | 1.94 | 1.28 | 3,263.62 |
| 11_25_47 | 31 | 43 | 3,253.73 | 3,009.60 | 1.94 | 1.28 | 3,012.82 |
| 11_25_48 | 30 | 43 | 3,253.73 | 3,260.40 | 1.94 | 1.28 | 3,263.62 |
| 11_25_49 | 30 | 43 | 3,253.73 | 3,260.40 | 1.94 | 1.28 | 3,263.62 |
| 11_25_50 | 30 | 43 | 3,253.73 | 3,260.40 | 1.94 | 1.28 | 3,263.62 |
| 11_25_51 | 30 | 43 | 3,253.73 | 3,260.40 | 1.94 | 1.28 | 3,263.62 |
| 11_25_52 | 31 | 43 | 3,253.73 | 3,009.60 | 1.94 | 1.28 | 3,012.82 |
| 11_25_53 | 31 | 43 | 3,253.73 | 3,009.60 | 1.94 | 1.28 | 3,012.82 |
| 11_25_54 | 31 | 43 | 3,253.73 | 3,009.60 | 1.94 | 1.28 | 3,012.82 |
| 11_25_55 | 31 | 43 | 3,253.73 | 3,009.60 | 1.94 | 1.28 | 3,012.82 |
| 11_25_56 | 32 | 41 | 3,253.73 | 2,257.20 | 1.94 | 1.28 | 2,260.42 |
| 11_25_57 | 32 | 41 | 3,253.73 | 2,257.20 | 1.94 | 1.28 | 2,260.42 |
| 11_25_58 | 32 | 43 | 3,253.73 | 2,758.80 | 1.94 | 1.28 | 2,762.02 |
| 11_25_59 | 32 | 43 | 3,253.73 | 2,758.80 | 1.94 | 1.28 | 2,762.02 |
| 11_25_60 | 32 | 43 | 3,253.73 | 2,758.80 | 1.94 | 1.28 | 2,762.02 |
| ค่าเฉลี่ย | 31.30 | 41.40 | 3,253.73 | 2,533.08 | 1.94 | 1.28 | 2,536.30 |

ตาราง 11 บันทึกผลการทดลองเวลา 1231วันที่ 18ก.พ. 2554 อัตราการไหลของน้ำ 0.06

kg/s $T_a = 34^{\circ}\text{C}$ $T_H = 50^{\circ}\text{C}$

| เวลา | T _{in} (°C) | T _{out} (°C) | ความเข้มรังสีตรง (W) | Q _U (W) | Q _{RH} (W) | Q _{CH} (W) | Q _P (W) |
|----------|-------------------------|--------------------------|-------------------------|-----------------------|------------------------|------------------------|-----------------------|
| 12_31_1 | 28 | 41 | 3,453.28 | 3,260.40 | 1.97 | 1.28 | 3,263.65 |
| 12_31_2 | 28 | 41 | 3,453.28 | 3,260.40 | 1.97 | 1.28 | 3,263.65 |
| 12_31_3 | 30 | 41 | 3,453.28 | 3,260.40 | 1.97 | 1.28 | 3,263.65 |
| 12_31_4 | 30 | 41 | 3,453.28 | 2,758.80 | 1.97 | 1.28 | 2,762.05 |
| 12_31_5 | 30 | 41 | 3,453.28 | 2,758.80 | 1.97 | 1.28 | 2,762.05 |
| 12_31_6 | 30 | 41 | 3,453.28 | 2,758.80 | 1.97 | 1.28 | 2,762.05 |
| 12_31_7 | 31 | 41 | 3,453.28 | 2,758.80 | 1.97 | 1.28 | 2,762.05 |
| 12_31_8 | 31 | 41 | 3,453.28 | 2,508.00 | 1.97 | 1.28 | 2,511.25 |
| 12_31_9 | 31 | 41 | 3,453.28 | 2,508.00 | 1.97 | 1.28 | 2,511.25 |
| 12_31_10 | 31 | 42 | 3,453.28 | 2,508.00 | 1.97 | 1.28 | 2,511.25 |
| 12_31_11 | 31 | 42 | 3,453.28 | 2,758.80 | 1.97 | 1.28 | 2,762.05 |
| 12_31_12 | 30 | 40 | 3,453.28 | 2,758.80 | 1.97 | 1.28 | 2,762.05 |
| 12_31_13 | 30 | 40 | 3,453.28 | 2,508.00 | 1.97 | 1.28 | 2,511.25 |
| 12_31_14 | 29 | 40 | 3,453.28 | 2,508.00 | 1.97 | 1.28 | 2,511.25 |
| 12_31_15 | 29 | 40 | 3,453.28 | 2,758.80 | 1.97 | 1.28 | 2,762.05 |
| 12_31_16 | 30 | 40 | 3,453.28 | 2,758.80 | 1.97 | 1.28 | 2,762.05 |
| 12_31_17 | 30 | 40 | 3,453.28 | 2,508.00 | 1.97 | 1.28 | 2,511.25 |
| 12_31_18 | 30 | 39 | 3,453.28 | 2,508.00 | 1.97 | 1.28 | 2,511.25 |
| 12_31_19 | 30 | 39 | 3,453.28 | 2,257.20 | 1.97 | 1.28 | 2,260.45 |
| 12_31_20 | 29 | 39 | 3,453.28 | 2,257.20 | 1.97 | 1.28 | 2,260.45 |
| 12_31_21 | 29 | 39 | 3,453.28 | 2,508.00 | 1.97 | 1.28 | 2,511.25 |
| 12_31_22 | 29 | 39 | 3,453.28 | 2,508.00 | 1.97 | 1.28 | 2,511.25 |
| 12_31_23 | 29 | 39 | 3,453.28 | 2,508.00 | 1.97 | 1.28 | 2,511.25 |
| 12_31_24 | 29 | 39 | 3,453.28 | 2,508.00 | 1.97 | 1.28 | 2,511.25 |
| 12_31_25 | 28 | 39 | 3,453.28 | 2,508.00 | 1.97 | 1.28 | 2,511.25 |
| 12_31_26 | 28 | 39 | 3,453.28 | 2,758.80 | 1.97 | 1.28 | 2,762.05 |
| 12_31_27 | 30 | 41 | 3,453.28 | 2,758.80 | 1.97 | 1.28 | 2,762.05 |
| 12_31_28 | 30 | 41 | 3,453.28 | 2,758.80 | 1.97 | 1.28 | 2,762.05 |
| 12_31_29 | 30 | 41 | 3,453.28 | 2,758.80 | 1.97 | 1.28 | 2,762.05 |
| 12_31_30 | 28 | 40 | 3,453.28 | 2,758.80 | 1.97 | 1.28 | 2,762.05 |

ตาราง 11(ต่อ)

| เวลา | T _{in} (°C) | T _{out} (°C) | ความเข้มรังสีตรง (W) | Q _U (W) | Q _{RH} (W) | Q _{CH} (W) | Q _P (W) |
|-----------|-------------------------|--------------------------|-------------------------|-----------------------|------------------------|------------------------|-----------------------|
| 12_31_31 | 28 | 40 | 3,453.28 | 3,009.60 | 1.97 | 1.28 | 3,012.85 |
| 12_31_32 | 28 | 40 | 3,453.28 | 3,009.60 | 1.97 | 1.28 | 3,012.85 |
| 12_31_33 | 28 | 40 | 3,453.28 | 3,009.60 | 1.97 | 1.28 | 3,012.85 |
| 12_31_34 | 28 | 41 | 3,453.28 | 3,009.60 | 1.97 | 1.28 | 3,012.85 |
| 12_31_35 | 28 | 41 | 3,453.28 | 3,260.40 | 1.97 | 1.28 | 3,263.65 |
| 12_31_36 | 29 | 42 | 3,453.28 | 3,260.40 | 1.97 | 1.28 | 3,263.65 |
| 12_31_37 | 29 | 42 | 3,453.28 | 3,260.40 | 1.97 | 1.28 | 3,263.65 |
| 12_31_38 | 30 | 42 | 3,453.28 | 3,260.40 | 1.97 | 1.28 | 3,263.65 |
| 12_31_39 | 27 | 37 | 3,453.28 | 3,009.60 | 1.97 | 1.28 | 3,012.85 |
| 12_31_40 | 27 | 37 | 3,453.28 | 2,508.00 | 1.97 | 1.28 | 2,511.25 |
| 12_31_41 | 27 | 38 | 3,453.28 | 2,508.00 | 1.97 | 1.28 | 2,511.25 |
| 12_31_42 | 27 | 38 | 3,453.28 | 2,758.80 | 1.97 | 1.28 | 2,762.05 |
| 12_31_43 | 28 | 39 | 3,453.28 | 2,758.80 | 1.97 | 1.28 | 2,762.05 |
| 12_31_44 | 28 | 39 | 3,453.28 | 2,758.80 | 1.97 | 1.28 | 2,762.05 |
| 12_31_45 | 29 | 42 | 3,453.28 | 2,758.80 | 1.97 | 1.28 | 2,762.05 |
| 12_31_46 | 29 | 42 | 3,453.28 | 3,260.40 | 1.97 | 1.28 | 3,263.65 |
| 12_31_47 | 29 | 42 | 3,453.28 | 3,260.40 | 1.97 | 1.28 | 3,263.65 |
| 12_31_48 | 28 | 42 | 3,453.28 | 3,260.40 | 1.97 | 1.28 | 3,263.65 |
| 12_31_49 | 29 | 42 | 3,453.28 | 3,511.20 | 1.97 | 1.28 | 3,514.45 |
| 12_31_50 | 29 | 41 | 3,453.28 | 3,260.40 | 1.97 | 1.28 | 3,263.65 |
| 12_31_51 | 29 | 41 | 3,453.28 | 3,009.60 | 1.97 | 1.28 | 3,012.85 |
| 12_31_52 | 30 | 43 | 3,453.28 | 3,009.60 | 1.97 | 1.28 | 3,012.85 |
| 12_31_53 | 30 | 43 | 3,453.28 | 3,260.40 | 1.97 | 1.28 | 3,263.65 |
| 12_31_54 | 30 | 41 | 3,453.28 | 3,260.40 | 1.97 | 1.28 | 3,263.65 |
| 12_31_55 | 30 | 41 | 3,453.28 | 2,758.80 | 1.97 | 1.28 | 2,762.05 |
| 12_31_56 | 29 | 41 | 3,453.28 | 2,758.80 | 1.97 | 1.28 | 2,762.05 |
| 12_31_57 | 29 | 41 | 3,453.28 | 3,009.60 | 1.97 | 1.28 | 3,012.85 |
| 12_31_58 | 29 | 41 | 3,453.28 | 3,009.60 | 1.97 | 1.28 | 3,012.85 |
| 12_31_59 | 29 | 41 | 3,453.28 | 3,009.60 | 1.97 | 1.28 | 3,012.85 |
| 12_32_00 | 28 | 41 | 3,453.28 | 3,009.60 | 1.97 | 1.28 | 3,012.85 |
| ค่าเฉลี่ย | 29.10 | 40.47 | 3,453.28 | 2,850.76 | 1.97 | 1.28 | 2,854.01 |

ตาราง 12 บันทึกผลการทดลองเวลา 1322วันที่ 18ก.พ. 2554 อัตราการไหลของน้ำ 0.061

kg/s $T_a = 33^{\circ}\text{C}$ $T_H = 50^{\circ}\text{C}$

| เวลา | T _{in} (°C) | T _{out} (°C) | ความเข้มรังสีตรง (W) | Q _U (W) | Q _{RH} (W) | Q _{CH} (W) | Q _P (W) |
|----------|-------------------------|--------------------------|-------------------------|-----------------------|------------------------|------------------------|-----------------------|
| 13_22_1 | 28 | 40 | 3,390.05 | 3,039.70 | 2.07 | 1.36 | 3,043.12 |
| 13_22_2 | 28 | 40 | 3,390.05 | 3,039.70 | 2.07 | 1.36 | 3,043.12 |
| 13_22_3 | 28 | 40 | 3,390.05 | 3,039.70 | 2.07 | 1.36 | 3,043.12 |
| 13_22_4 | 28 | 41 | 3,390.05 | 3,293.00 | 2.07 | 1.36 | 3,296.43 |
| 13_22_5 | 28 | 41 | 3,390.05 | 3,293.00 | 2.07 | 1.36 | 3,296.43 |
| 13_22_6 | 29 | 42 | 3,390.05 | 3,293.00 | 2.07 | 1.36 | 3,296.43 |
| 13_22_7 | 29 | 42 | 3,390.05 | 3,293.00 | 2.07 | 1.36 | 3,296.43 |
| 13_22_8 | 30 | 42 | 3,390.05 | 3,039.70 | 2.07 | 1.36 | 3,043.12 |
| 13_22_9 | 30 | 42 | 3,390.05 | 3,039.70 | 2.07 | 1.36 | 3,043.12 |
| 13_22_10 | 30 | 42 | 3,390.05 | 3,039.70 | 2.07 | 1.36 | 3,043.12 |
| 13_22_11 | 30 | 41 | 3,390.05 | 2,786.39 | 2.07 | 1.36 | 2,789.82 |
| 13_22_12 | 30 | 41 | 3,390.05 | 2,786.39 | 2.07 | 1.36 | 2,789.82 |
| 13_22_13 | 32 | 40 | 3,390.05 | 2,026.46 | 2.07 | 1.36 | 2,029.89 |
| 13_22_14 | 32 | 40 | 3,390.05 | 2,026.46 | 2.07 | 1.36 | 2,029.89 |
| 13_22_15 | 31 | 41 | 3,390.05 | 2,533.08 | 2.07 | 1.36 | 2,536.51 |
| 13_22_16 | 31 | 41 | 3,390.05 | 2,533.08 | 2.07 | 1.36 | 2,536.51 |
| 13_22_17 | 33 | 44 | 3,390.05 | 2,786.39 | 2.07 | 1.36 | 2,789.82 |
| 13_22_18 | 33 | 44 | 3,390.05 | 2,786.39 | 2.07 | 1.36 | 2,789.82 |
| 13_22_19 | 28 | 40 | 3,390.05 | 3,039.70 | 2.07 | 1.36 | 3,043.12 |
| 13_22_20 | 29 | 39 | 3,390.05 | 2,533.08 | 2.07 | 1.36 | 2,536.51 |
| 13_22_21 | 29 | 39 | 3,390.05 | 2,533.08 | 2.07 | 1.36 | 2,536.51 |
| 13_22_22 | 29 | 37 | 3,390.05 | 2,026.46 | 2.07 | 1.36 | 2,029.89 |
| 13_22_23 | 29 | 37 | 3,390.05 | 2,026.46 | 2.07 | 1.36 | 2,029.89 |
| 13_22_24 | 28 | 38 | 3,390.05 | 2,533.08 | 2.07 | 1.36 | 2,536.51 |
| 13_22_25 | 28 | 38 | 3,390.05 | 2,533.08 | 2.07 | 1.36 | 2,536.51 |
| 13_22_26 | 28 | 38 | 3,390.05 | 2,533.08 | 2.07 | 1.36 | 2,536.51 |
| 13_22_27 | 27 | 38 | 3,390.05 | 2,786.39 | 2.07 | 1.36 | 2,789.82 |
| 13_22_28 | 27 | 38 | 3,390.05 | 2,786.39 | 2.07 | 1.36 | 2,789.82 |
| 13_22_29 | 28 | 38 | 3,390.05 | 2,533.08 | 2.07 | 1.36 | 2,536.51 |
| 13_22_30 | 28 | 38 | 3,390.05 | 2,533.08 | 2.07 | 1.36 | 2,536.51 |

ตาราง 12(ต่อ)

| เวลา | T _{in} (°C) | T _{out} (°C) | ความเข้มรังสีตรง (W) | Q _U (W) | Q _{RH} (W) | Q _{CH} (W) | Q _P (W) |
|-----------|-------------------------|--------------------------|-------------------------|-----------------------|------------------------|------------------------|-----------------------|
| 13_22_31 | 28 | 39 | 3,390.05 | 2,786.39 | 2.07 | 1.36 | 2,789.82 |
| 13_22_32 | 28 | 39 | 3,390.05 | 2,786.39 | 2.07 | 1.36 | 2,789.82 |
| 13_22_33 | 28 | 39 | 3,390.05 | 2,786.39 | 2.07 | 1.36 | 2,789.82 |
| 13_22_34 | 28 | 39 | 3,390.05 | 2,786.39 | 2.07 | 1.36 | 2,789.82 |
| 13_22_35 | 29 | 39 | 3,390.05 | 2,533.08 | 2.07 | 1.36 | 2,536.51 |
| 13_22_36 | 29 | 40 | 3,390.05 | 2,786.39 | 2.07 | 1.36 | 2,789.82 |
| 13_22_37 | 29 | 40 | 3,390.05 | 2,786.39 | 2.07 | 1.36 | 2,789.82 |
| 13_22_38 | 29 | 40 | 3,390.05 | 2,786.39 | 2.07 | 1.36 | 2,789.82 |
| 13_22_39 | 29 | 38 | 3,390.05 | 2,279.77 | 2.07 | 1.36 | 2,283.20 |
| 13_22_40 | 27 | 37 | 3,390.05 | 2,533.08 | 2.07 | 1.36 | 2,536.51 |
| 13_22_41 | 27 | 37 | 3,390.05 | 2,533.08 | 2.07 | 1.36 | 2,536.51 |
| 13_22_42 | 27 | 38 | 3,390.05 | 2,786.39 | 2.07 | 1.36 | 2,789.82 |
| 13_22_43 | 27 | 38 | 3,390.05 | 2,786.39 | 2.07 | 1.36 | 2,789.82 |
| 13_22_44 | 28 | 39 | 3,390.05 | 2,786.39 | 2.07 | 1.36 | 2,789.82 |
| 13_22_45 | 28 | 39 | 3,390.05 | 2,786.39 | 2.07 | 1.36 | 2,789.82 |
| 13_22_46 | 28 | 41 | 3,390.05 | 3,293.00 | 2.07 | 1.36 | 3,296.43 |
| 13_22_47 | 28 | 41 | 3,390.05 | 3,293.00 | 2.07 | 1.36 | 3,296.43 |
| 13_22_48 | 28 | 41 | 3,390.05 | 3,293.00 | 2.07 | 1.36 | 3,296.43 |
| 13_22_49 | 28 | 41 | 3,390.05 | 3,293.00 | 2.07 | 1.36 | 3,296.43 |
| 13_22_50 | 30 | 41 | 3,390.05 | 2,786.39 | 2.07 | 1.36 | 2,789.82 |
| 13_22_51 | 30 | 41 | 3,390.05 | 2,786.39 | 2.07 | 1.36 | 2,789.82 |
| 13_22_52 | 30 | 41 | 3,390.05 | 2,786.39 | 2.07 | 1.36 | 2,789.82 |
| 13_22_53 | 30 | 41 | 3,390.05 | 2,786.39 | 2.07 | 1.36 | 2,789.82 |
| 13_22_54 | 31 | 41 | 3,390.05 | 2,533.08 | 2.07 | 1.36 | 2,536.51 |
| 13_22_55 | 31 | 41 | 3,390.05 | 2,533.08 | 2.07 | 1.36 | 2,536.51 |
| 13_22_56 | 31 | 41 | 3,390.05 | 2,533.08 | 2.07 | 1.36 | 2,536.51 |
| 13_22_57 | 31 | 42 | 3,390.05 | 2,786.39 | 2.07 | 1.36 | 2,789.82 |
| 13_22_58 | 31 | 42 | 3,390.05 | 2,786.39 | 2.07 | 1.36 | 2,789.82 |
| 13_22_59 | 30 | 40 | 3,390.05 | 2,533.08 | 2.07 | 1.36 | 2,536.51 |
| 13_23_00 | 30 | 40 | 3,390.05 | 2,533.08 | 2.07 | 1.36 | 2,536.51 |
| ค่าเฉลี่ย | 29.10 | 39.97 | 3,390.05 | 2,752.61 | 2.07 | 1.36 | 2,756.04 |