Chapter Five

Conclusion and Recommendation

5.1 Conclusion

A hybrid dryer which combines direct solar drying for drying with solar panel powered system for air flow was designed and fabricated in the department of agricultural and bio-environmental engineering technology, institute of technology, kwara state polytechnic, Ilorin. The dryer was able to dry wet cocoa bean effectively.

5.2 Recommendation

The following recommendations were drawn from the study

- 1. It is recommended that a load cell with Personal Computer interface should be incorporated into the drying chamber to know the weight of products in the dryer at every time interval.
- **2.** It is recommended that a wheel (Tyre) should be at the stand of the dryer for easy movement.
- **3.** The size of the drying chamber should increase for large scale drying, as well as the size of solar panel and capacity of the battery.

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