Chapter Five

Conclusion and Recommendation

5.1Conclusion

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.

5.2Recommendation

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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