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Fig (1) Power generation

## الآيه

قال تعالى:

(إِنَّمَا أَمْرُهُ إِذَا أَرَادَ شَيْئًا أَنْ يَقُولَ لَهُ كُنْ فَيَكُونُ \* فَسُبْحَانَ الَّذِي بِيَدِهِ  
مَلَكُوتُ كُلِّ شَيْءٍ وَإِلَيْهِ تُرْجَعُونَ )

سورة يس من الآية (82 – 83)

## **Dedication**

We dedicate this work to our dear beloved parents, as well to my all brothers and sisters, to our special lovely supervisor (Dr. Mohammed Osman Seed Ahmed). And To our college , our university , and to our all friends.

## **Acknowledgment**

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## **ABSTRACT**

In this work it has been shown that it is possible to design a mixed energy self –sufficient farm by using solar energy and biogas from animal and agricultural waste.