

DEDICATION

This thesis is dedicated to our:

Parents...

Families...

Supervisor...

Teachers ...

ACKNOWLEDGEMENTS

Our grateful thanks to Allah for Strength all and giving us power to complete this work we wish to express our especial appreciation and gratitude to our supervisor **prof.DawoodAlzbair Ahmed** for his suggestion guidance and good supervision during this work.Ours thanks are extended to our families for their encouragement during the study ad special thanks to our collage.finally our thanks to all whom offer everyhelps thisstudy.

Abstract

The study was conducted at the collage of Animal production Science and Technology in plant lab. To produce biogas from Cattle dung as co-substrate with Molasses and Meat by-product

The study was continued for 90 days in plant lab .the average temperature for biogas production was ranged between 20-25°C

The pH was measured at the beginning and at the end of the experiment it was ranged between (7.0—6.4).

The total biogas produced throughout the experiment was 200ml

الخلاصة

اجريت الدراسة في معمل النبات التابع لكلية الانتاح الحيواني بجامعة السودان للعلوم والتكنولوجيا لإنتاج الغاز الحيوي من روث الابقار مع إضافة مخلفات لحم ومولاص, استمرت التجربه لمدة تسعين يوم بمدي حراري يتراوح بين (20-25) درجة مئوية, واس هيدروجيني يتراوح بين (6.4-7.00), واجمالي الانتاجيه كانت 200مل خلال كله الفترة.

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