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This is to certify that the work contained in the thesis entitled **"Screening of abundantly available seaweed for the production of biodiesel to overcome the energy crisis"**, submitted by **K.RAMADHARANI (Reg.No:21MMB0010)** for the award of the degree of **Master of science in Microbiology** to the **Thassim Beevi Abdul Kader College for Women, Kilakarai** is a record of bonafide research works carried out by her under my direct supervision.

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Date: 10/4/23

Place: kilakarai

N. Monisha 10/4/23

Signature of the Supervisor

Dr.N.Monisha

Assistant professor,

Department of Microbiology

Thassim Beevi Abdul Kader College for Women

Approved by:

10/4/23

Head of the Department

N. Monisha 10/4/23

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Date: 10.04.2023
Place: Kilakarai

10/4/23
Signature of the Supervisor

Dr.Shiela Chetri
Head,
Department of Microbiology,
Thassim Beevi Abdul Kader College for Women.

Approved by:

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Head of the Department

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Thassim Beevi Abdul Kader College for Women.

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External Examiner

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Date : 10.4.2023

Place : kilakarai

10/4/23

Signature of the project advisior :

Miss,M.Narayani

Assistant professor

Department of microbiology.

Thassim Beevi Abdul Kader College for Women.

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Assistant professor,

Department of Microbiology

Thassim Beevi Abdul Kader College for Women

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10/4/23

Head of the Department

N. Monisha 10/4/23

Internal Examiner

10/4/23

External Examiner

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10/4/23

Signature of the HOD

10/4/23

Signature of the project Guide

N. Manisha 10/4/23

Signature of Internal

10/4/23

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Signature of the Supervisor
MS.S.MANIBALA
Assistant professor,
Department of Microbiology,
Thassim Beevi Abdul Kader College for Women.

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This is to certify that the work contained in the thesis entitled **"Amylase production by *Bacillus subtilis* using cassava as substrate"**, submitted by **M.MUTHIGA (Reg.No:21MMB0009)** for the award of the degree of **Master of science in microbiology** to the **Thassim Beevi Abdul Kader College for Women, Kilakarai** is a record of bonafide research works carried out by her under my direct supervision.

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10/4/2023

Signature of the Supervisor
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Assistant professor.
Department of Microbiology.
Thassim Beevi Abdul Kader College for Women.

Approved by:

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Head of the Department

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Internal Examiner

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External Examiner

CERTIFICATE

This is to certify that the work contained in the thesis entitled " **Production Of Bioplastic From Jack Fruit Seed, Egg Shell, And Observe The Degradation Of Bioplastic Film In Soil ",** submitted by **Sowmiya.S (Reg.No:21MMB0013)** for the award of the degree of **Master of science in microbiology** to the **Thassim Beevi Abdul Kader College for Women, Kilakarai** is a record of bonafide research works carried out by her under my direct supervision.

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Place: Kilakarai

G.Hemapoojavalli 10/4/23

Signature of the Supervisor
Dr.G.Hemapoojavalli,
Assistant professor,
Department of Microbiology,
Thassim Beevi Abdul Kader College for Women.

Approved by:

10/4/23

Head of the Department

M. Monisha 10/4/23

Internal Examiner

10/4/23

External Examiner