



Making the world green one BIOplastic at a time

LPU - Laguna
Christine Quimio, CBA



Problem #1

Over
256M

plastic items get thrown
out on a daily basis.

(Gaia, 2019)



Approved 10-year solid waste management plan

	Region	No. of LGUs with approved SWM plan	Total no. of LGUs*	% of LGUs with approved SWM plan
1	METRO MANILA	16	16	100%
2	Central Mindanao	37	49	76%
3	Southern Mindanao	36	49	73%
4	CALABARZON	93	142	65%
5	CARAGA	47	73	64%
6	Central Visayas	63	107	59%
7	CAR	45	77	58%
8	Central Luzon	62	130	48%
9	Western Visayas	63	133	47%
10	MIMAROPA	30	73	41%
11	Northern Mindanao	33	93	35%
12	Western Mindanao	24	71	34%
13	Cagayan Valley	31	93	33%
14	Eastern Visayas	38	143	27%
15	BARMM	25	119	21%
16	Ilocos Region	24	125	19%
17	Bicol Region	3	114	3%

* Based on the Philippine Standard Geographic Code, as of March 2019
Source: National Solid Waste Management Commission

Problem #2

About
2M
people in BARMM are
considered **poor**.

(Dy, 2019)



However,

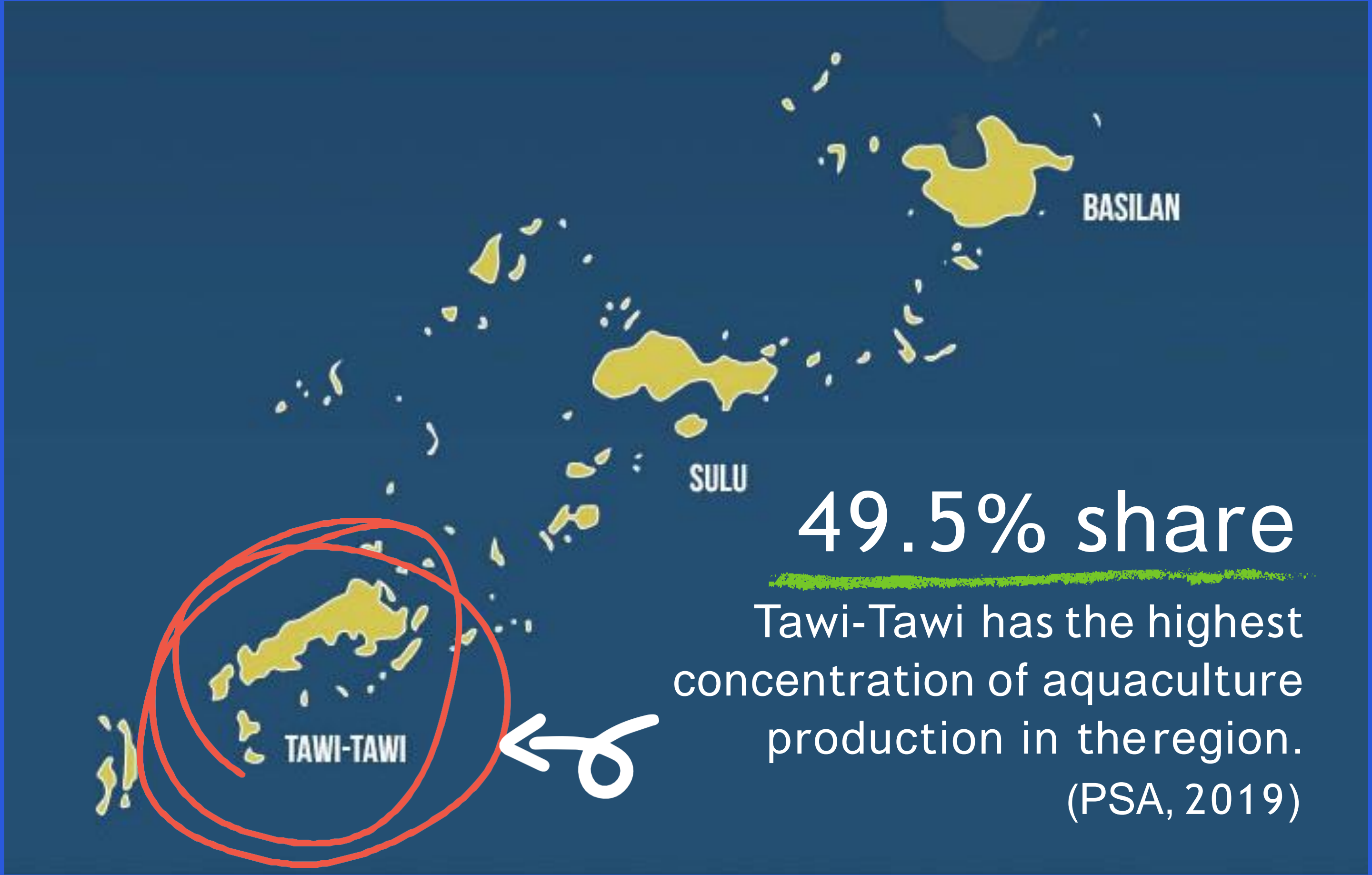
BARMM captures

63.8%

of the total aquaculture
production in the country.

(PSA, 2019)





49.5% share

Tawi-Tawi has the highest concentration of aquaculture production in the region.
(PSA, 2019)

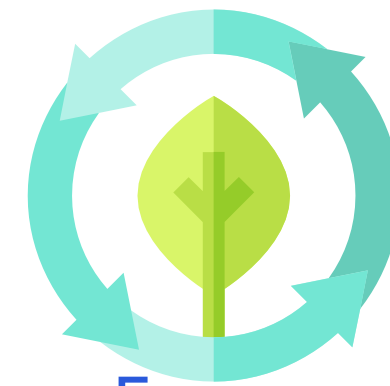


Seaweed
Bioplastics

Solution



Safe



Eco-
friendly



Non-toxic

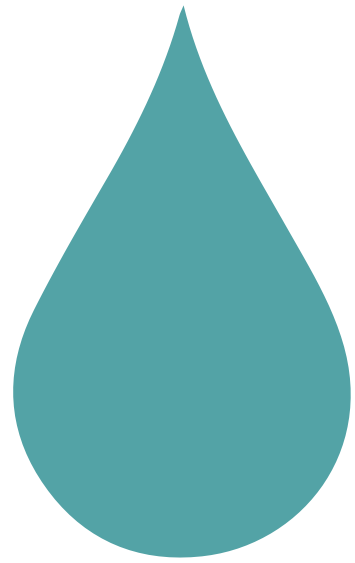


Low
Maintenance



Affordable

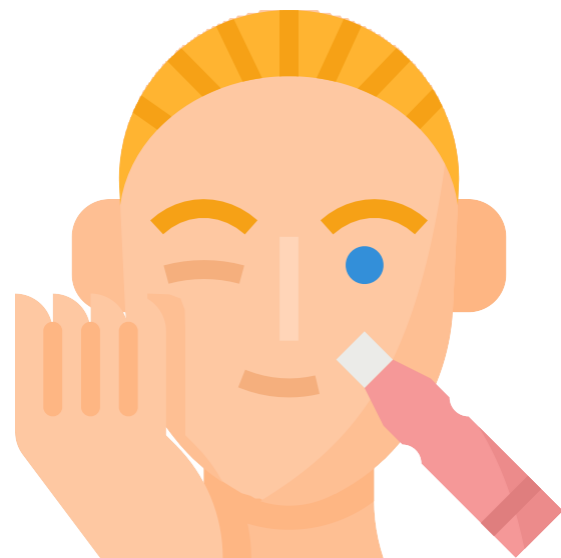
Components:



Water



Corn starch



Collagen

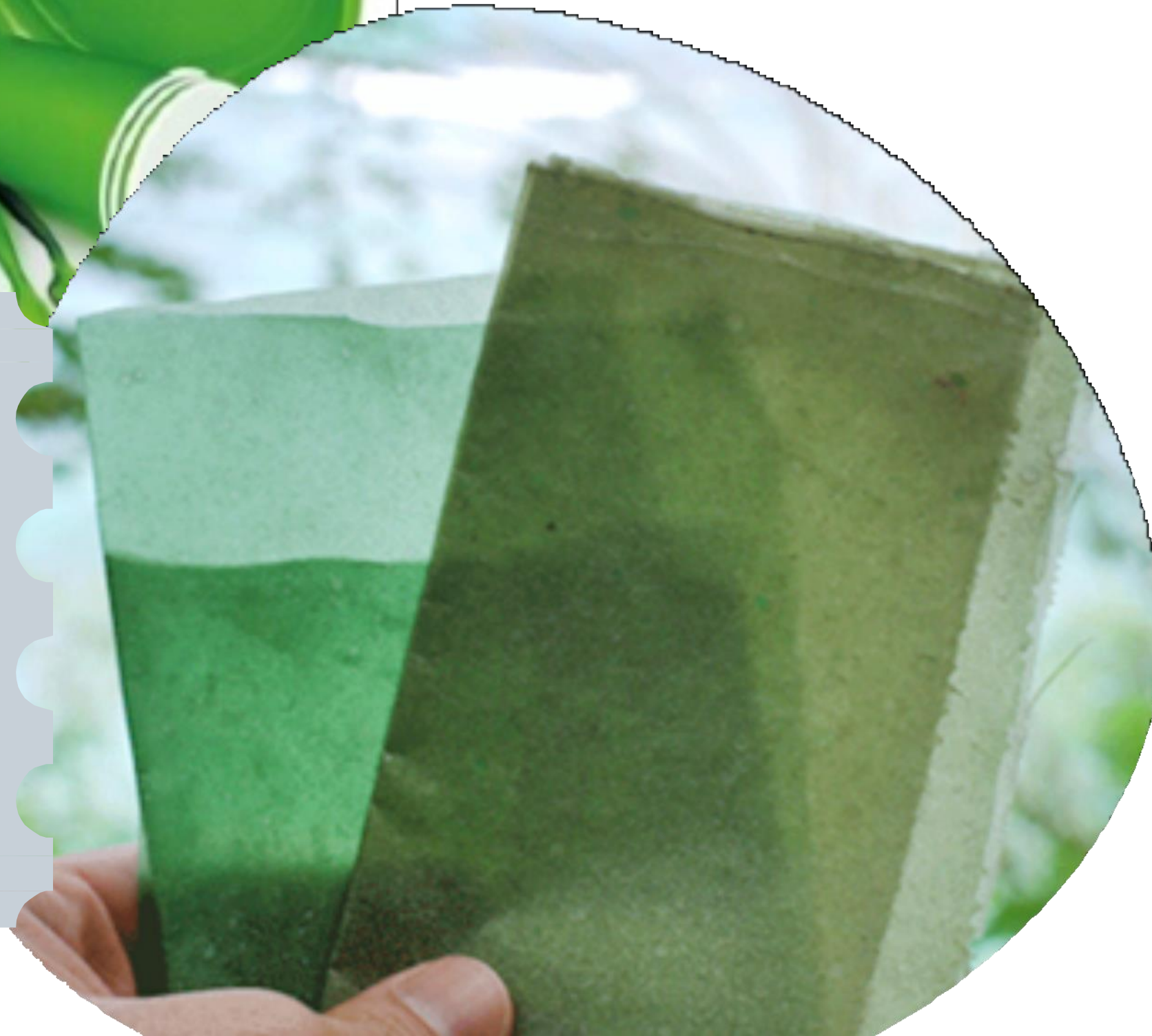


Tambalang
/ G_uso



As provided by the Professionals group at Omar bin AbdulAziz Secondary Independent School

Possibilities



How is it different
from the others?

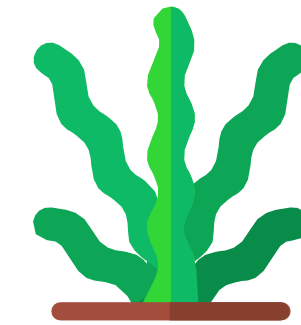


The bioplastic dissolves in
water and it can be a
sustainable source of income
for the people.

(RFI, 2019)



Business Opportunity



Long background with
Seaweed Farming

Create local job
opportunities



Potential to expand
economic growth

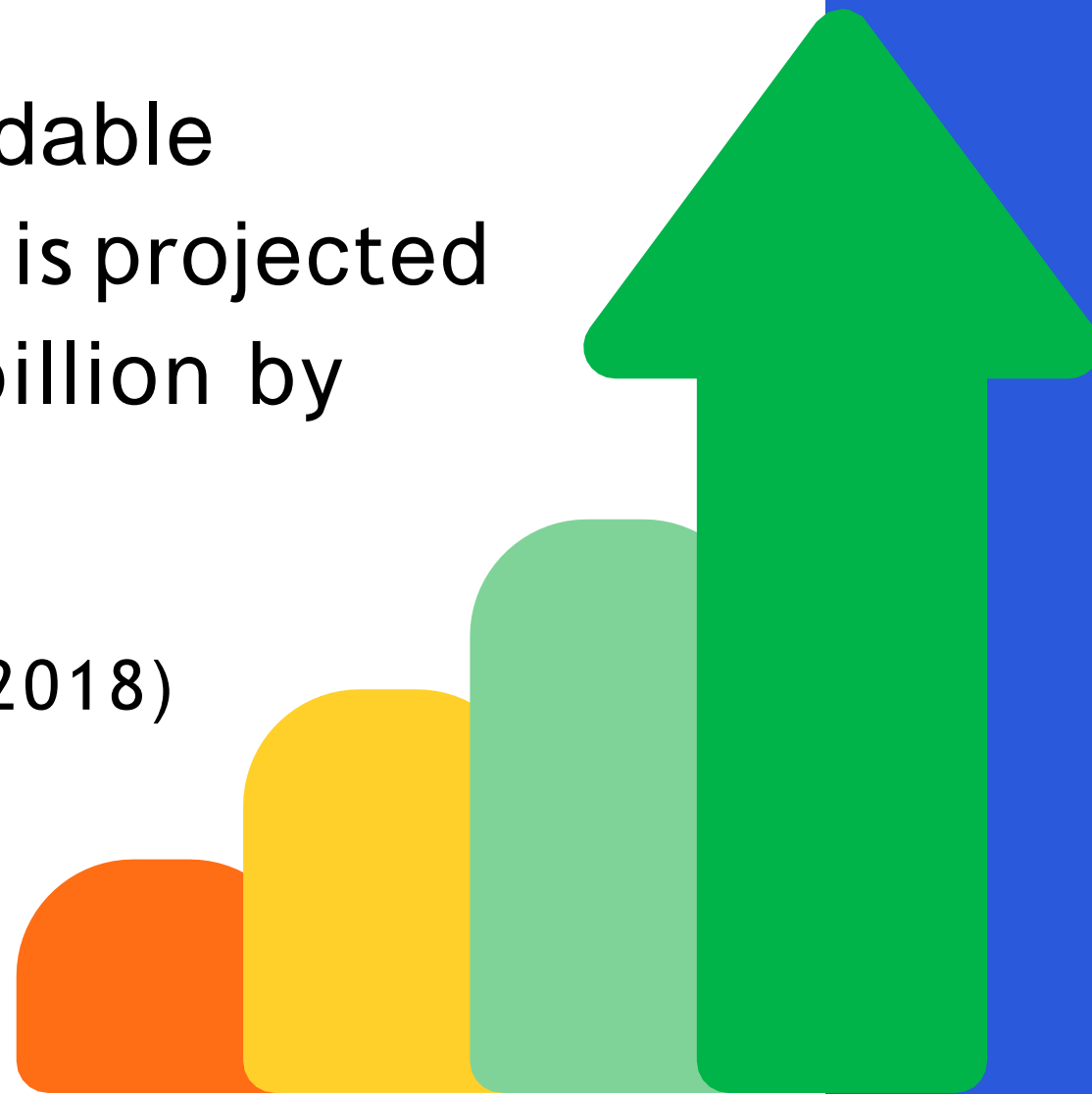
Timing



Market Size Potential Growth

The global biodegradable plastics market size is projected to reach USD 6.73 billion by 2025

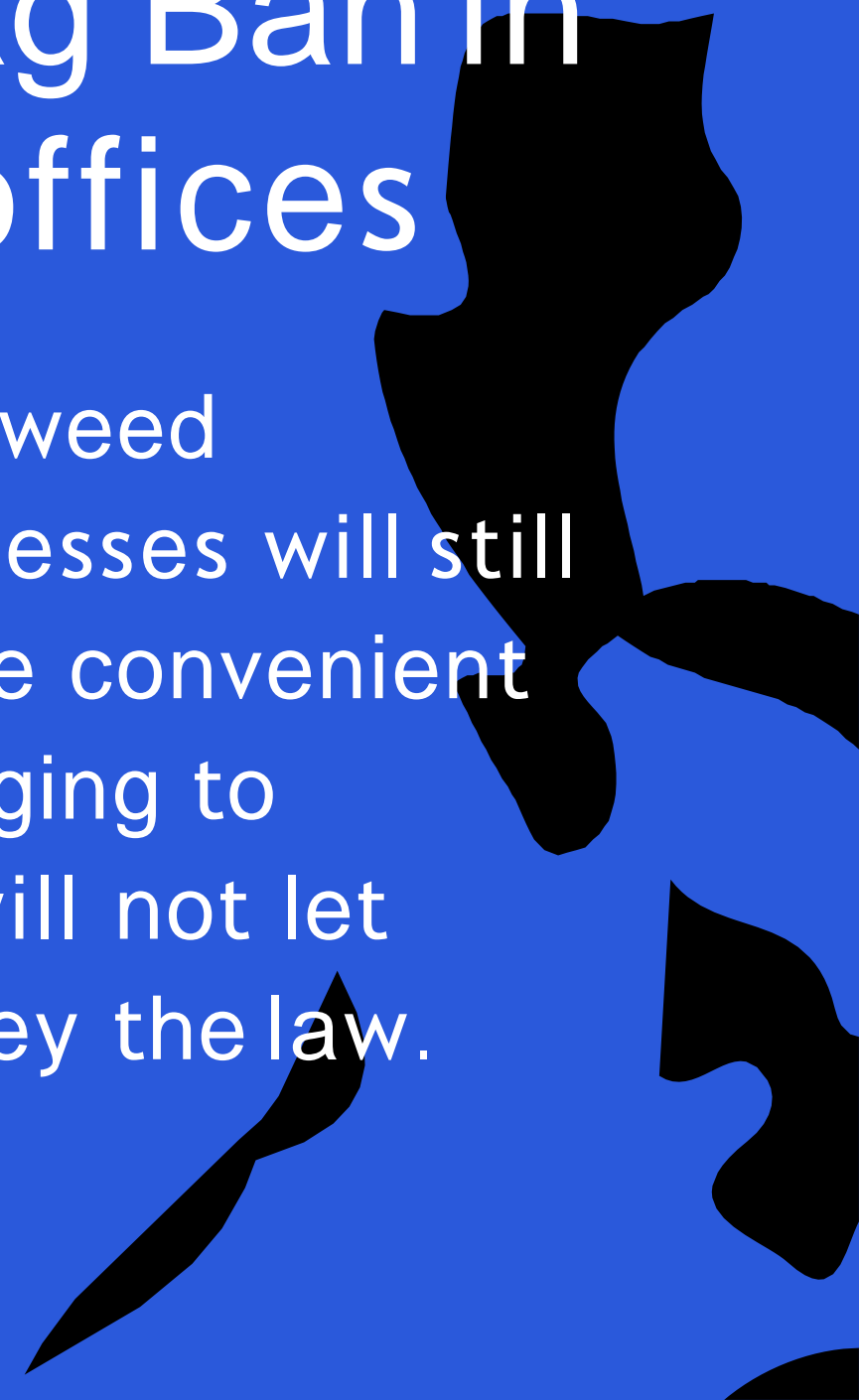
(Research and Markets, 2018)



Plastic Bag Ban in BARMM offices

By the use of seaweed bioplastics, businesses will still be able to provide convenient and cheap packaging to customers that will not let businesses disobey the law.

(Policar, 2019)



Conclusion

Seaweeds are a viable source
for creating bioplastics



It will help reduce risk of
plastic crisis globally



It will raise the economic
activity of BARMM



Get In Touch With Us

Company Address

KM. 54 National Hi-way, Makiling, Calamba City,
Laguna

Phone Number

09224184705

Website

lpulaguna.edu.ph

