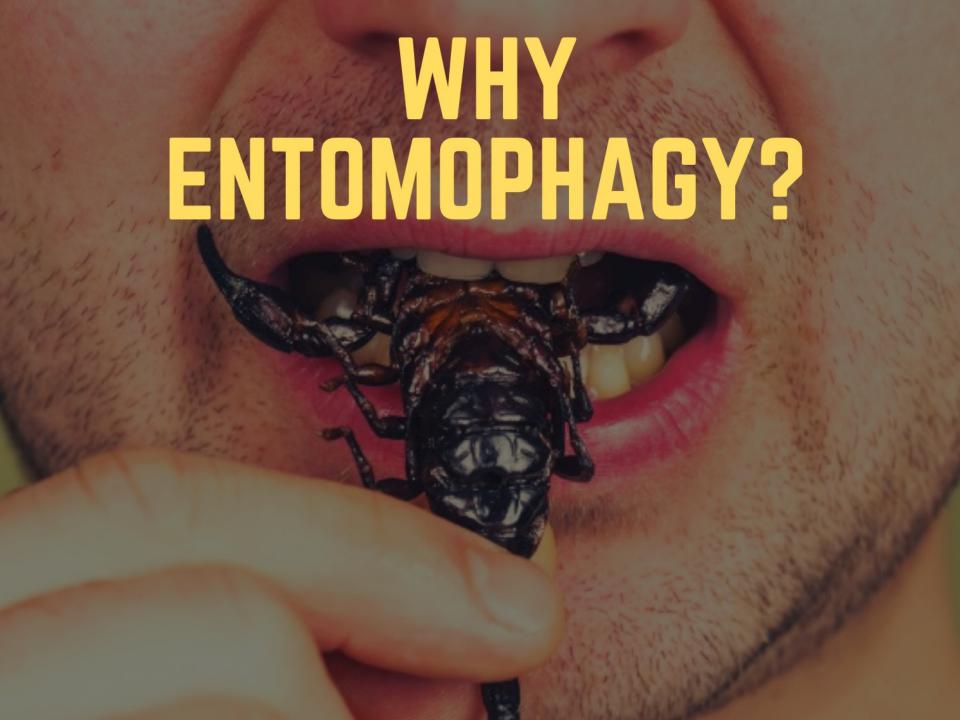
TUNKU ABDUL RAHMAN UNIVERSITY OF MANAGEMENT AND TECHNOLOGY

COULD INSECTS BE THE WONDER FOOD OF THE FUTURE?

PRESENTED BY: PHUAH KIT TENG



ISSUES ABOUT SUSTAINABILITY: WORLDWIDE FOOD CHALLENGES











Globally, 800 million out of 7.6 billion people suffer from hungerone in 10 people Food security ranked second among the 17 sustainable development goals in the United Nations 2030 Development Agenda

By 2050, world population is expected to reach 9.2 billion. To ensure food availability by 2050, the world needs to increase 70% of its food production

Replacing parts of the proteins obtained through the consumption of meat with insect-based substitutes thereby represents a strategic approach which would meet the challenges of developing sustainable food systems (Anankware et al., 2015; van Huis et al., 2013).

United Nations (2017)



ENTOMOTOURISM



Foodies jump for joy after discovering fried grasshopper vendor

Foodies jump for joy after discovering fried grasshopper vendor















NATION

Wednesday, 25 Aug 2021 5:53 PM MYT

Related News



NATION 11h ago Joy in winning and giving

STARPICKS 21h ago Hong Leong Bank to host inaugural 'Digital **Business Day'**

STARPICKS 4h ago **Business and law studies** in the new normal



KOTA BARU (Bernama): Few would have imagined there were this many deep-fried grasshopper lovers in the country.

Yet the demand has led sisters Emi Zuhaida, 35, and Emi Zuhaika Husain, 25, to start a business supplying not just customers in Kelantan, but Johor, Selangor, Negri Sembilan and Pahang as well.

Emi Zuhaida said a producer of the exotic snack in Pasir Puteh sends them a batch of 100gm jars of the insects every two days or so, which she sells for RM16 each.

Q & A







ento 100% Pure Cricket Powder 100g

★ ★ ★ ★ 2 reviews
RM29.90 MYR

Size







Zoé x ento High Protein Banana Bread (1 loaf x 760g)

> Zoé x ento High Protein Cranberry Oatmeal Cookies (24 pieces x 25g)

RM60.00 MYR

ADD TO CART

∠5g) BUYIT NOW

RM30.00 MYR

ADD TO CART

BUY IT NOW

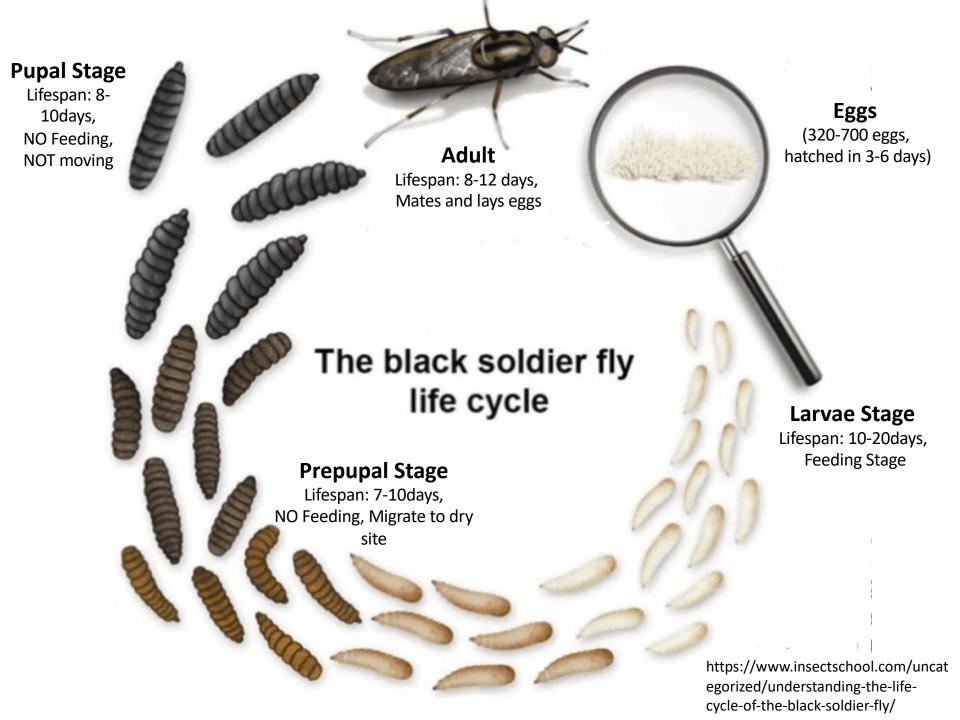


EAT HUNGER, ACHIEVE FOOD SECURITY AND IMPROVED NUTRITION, AND PROMOTE SUSTAINABLE AGRICULTURE



United Nations 2030 Developement Goal





CAN MALAYSIAN ACCEPT IT?







MS. KIMMY (20 YEARS OLD)

"Basically, for me insect is not harmless. I am afraid they will bite me. Therefore, I will never get near to any insect and never try any insect meal."



MS. HO (23 YEARS OLD)

"I feel gross when I saw the insects and I will only try once if its in whole body size. I more accept if its in powder."



MS. CHAN (23 YEARS OLD)

"I dont feel they are gross. I just curious whether the insect is really made for human consumption, whether it is hygiene and will cause allergy"



MR. AZURE (31 YEARS OLD)

"Aiyerrr....so gross also you can eat? I will not dare to try it. I scare I will get allergy by eating the insects."



MR. NEO (34 YEARS OLD)

"Insect meal is a good source of protein and I can eat it as a snack whenever I am hungry."



MR. BERNARD (39 YEARS OLD)

"Thats so gross. I will not try it even I know its more environmental friendly. I just cant accept it as my daily diet."



MS. FONG (63 YEARS OLD)

"Yer...are you sure we can eat insect? I dont want to try it at all. I dont even know whether its clean or not"

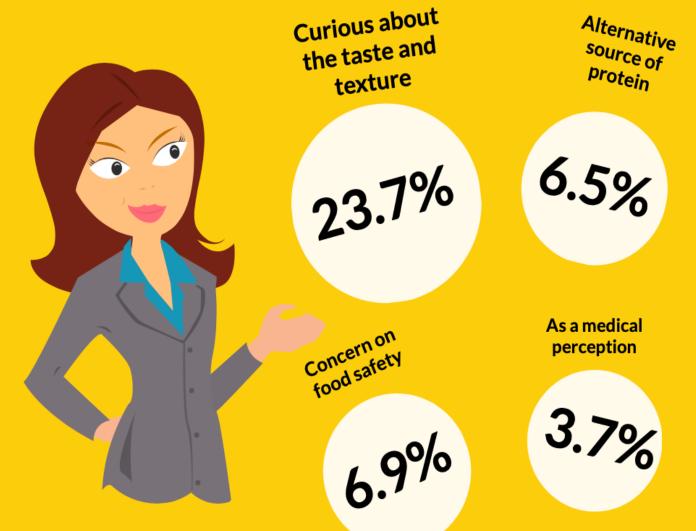


MR. ANDREW (68 YEARS OLD)

"I don't want to eat and try. I cant imagine really got people eat insects. I feel its so gross and cruel especially the one who eat the live insects"



Will you try and consume insect?



If You Have Tried Eating Bugs, What Kind of Bugs Did You Eat?

NEVER

70.8%

Ants (11.1%)







A Type of Be etles (1.7



Others (3.5%)

3.5%



Crickets (5.3%)



Scorpion (3.4%)



Silks worms/meal worms/ pupae (4.2%)

If you are deliberately eaten insects, did you like what you tried?



(Who had tried edible insects)

Would you be confidence eating bugs, if they were hidden in the food somehow?



Will you be more comfortable to include ... edible insects in your diet, if its in ... a different from such as_____?



HOW TO INCORPORATED INSECTS INTO MALAYSIA DIET?



Appealing to the taste bud (Getting people to taste them and decide for themselves)



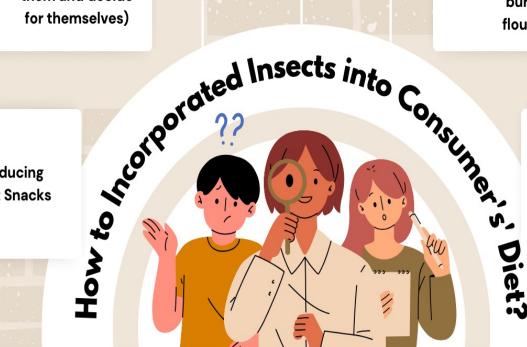
Educating the environment and health benefits of insect food



Getting insects into processed foods (e.g. insect burgers, insect flour cereal bar)



Introducing **Insect Snacks**





Making insect food products cheap compare to others food products.



"The bug in our diet: Throw away everything you think about eating insects it's the future of protein and he future is now"

Thank You For Listening

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