

Perangi AEDES, Cegah DENGKI !



Fight AEDES, Stop DENGUE !



Perangkap Nyamuk
(Auto-dissemination)
Aedes Mosquito Trap



The International Award Winner

The WINNER of
DENGUE TECH
CHALLENGE 2016

BRITISH COUNCIL Newton
Ungku Omar Fund



MCY
Summit
2021

Grand Prize Winner

an ideal solution for Aedes Mosquito Control

Eco-friendly formula, provides mosquito protection without releasing any chemical into the air.



Pengawalan Aedes yang terbukti berkesan



Aedestech Mosquito Home System (AMHS) menggunakan bahan-bahan semula jadi untuk menarik nyamuk Aedes ke AMHS untuk bertelur. Formulasi rahsia akan menghalang pertumbuhan mikro-organisma dan seterusnya membataskan bekalan makanan untuk jentik-jentik. Dengan demikian merencatkan kadar hidup nyamuk. Ia juga mengganggu komposisi hormon nyamuk dewasa, sekali gus mengganggu kebolehan pembiakan nyamuk.

Aedestech Mosquito Home System (AMHS) uses natural ingredients to lure Aedes Mosquitoes into the AMHS to lay eggs. The secret formulation will block the growth of micro-organism. Thereby limiting the food supply for larvae and thus suppresses their survival rate. It also destroys the composition of the adult mosquitoes hormones, thus disturbing their breeding abilities.

Bagaimanakah AMHS berfungsi ? How does AMHS work ?

Defence 1



Nyamuk Aedes akan mati dalam masa 24 jam selepas terdedah dengan formulasi semasa pembiakan telur.

Female Aedes mosquitoes will be killed after laying eggs.

Defence 2



99% telurnya tidak akan menjadi jentik-jentik.
99% of eggs laid will not develop into larvae.

Defence 3



Pertumbuhan jentik-jentik akan terengat dengan kekurangan bekalan makanan.
Larvae growth will be retarded by reducing the food supply.

Defence 4



IGR akan menghalang 100% pupa berkembang ke peringkat nyamuk dewasa.
IGR (Insect Growth regulator) will disturb the pupae development so that they cannot reach adult stage.

Apakah kegunaan AMHS ? What is the use of AMHS ?

Objective #1 : Pengurangan populasi nyamuk Aedes Reduction of the Aedes population

Mengurangkan kepadatan populasi Aedes sebanyak mungkin dan mengekalkannya pada tahap yang rendah.
To reduce the densities of Aedes populations as much as possible and to maintain them at low levels.

Objective #2 : Pengurangan kes Denggi ($\downarrow 75\%$) Reduction of the Dengue cases ($\downarrow 75\%$)

Penggunaan perangkap penyebaran auto AMHS menunjukkan pencapaian penularan Denggi yang terganggu.
Deployment of AMHS auto-dissemination trap showed achievement of interrupted Dengue transmissions.

Objective #3 : Alat Pemantauan Surveillance & Monitoring tools



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(WHO Collaborating Centre for Ecology, Taxonomy &
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