

United Nations Conference on Trade and Development

Workshop on Industrial Hemp

18 January 2023, Palais des Nations, Geneva

Experience from the hemp sector in Malaysia

By

Johan Mohamad, Founder and President
Malaysia HempTech Industrial Research Association

The views expressed are those of the author and do not necessarily reflect the views of UNCTAD.

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Hemp Sector in Malaysia and Beyond by Johan Mohamad - MHIRA President

Natural
Fiber
industry
in
Malaysia



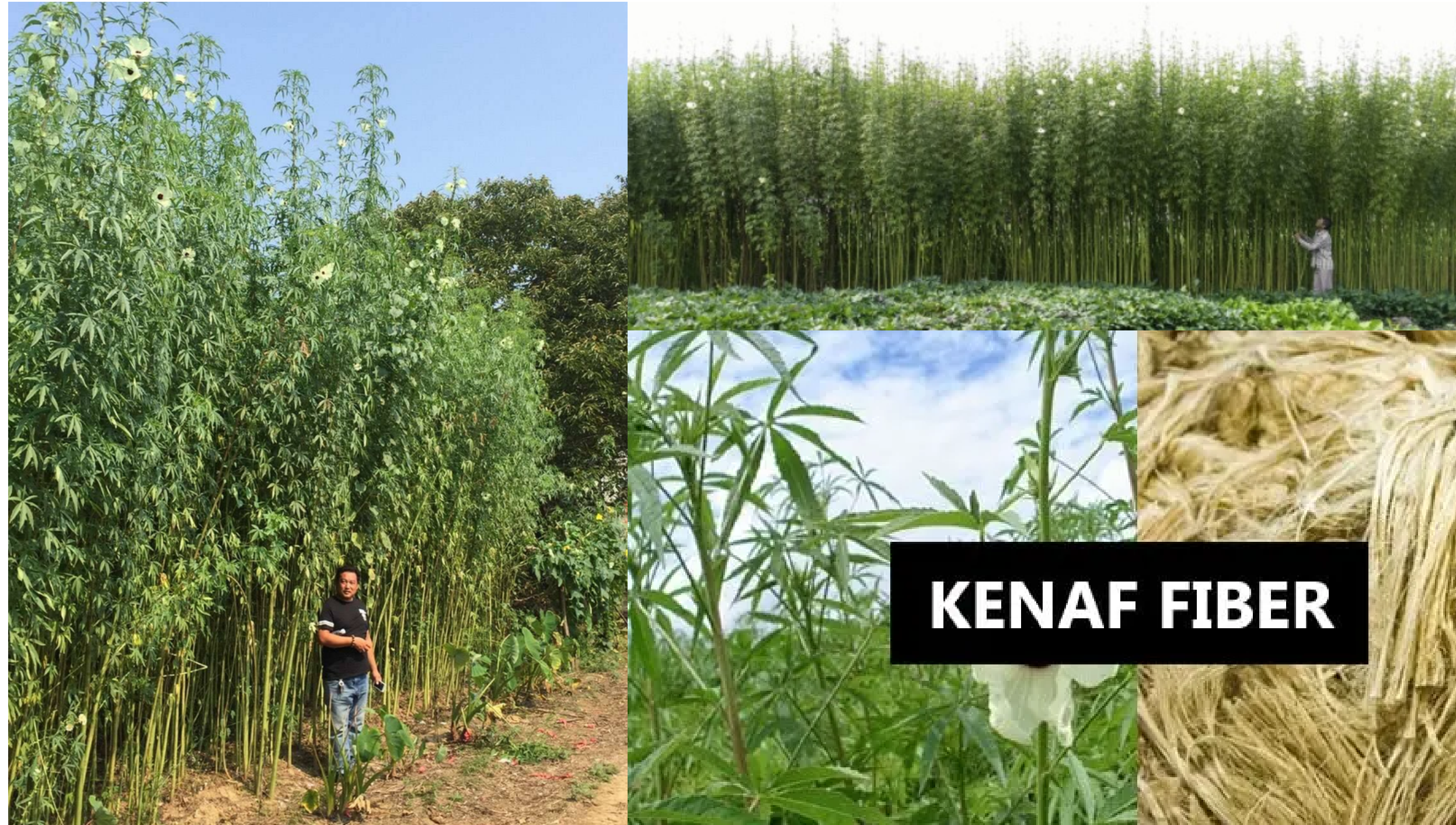
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VARIOUS USES OF KENAF



Traditional uses

String, rope, cord, sack



Construction

Decking, roofing, thermal insulation, soundproofing



Furniture

Medium-density fibreboard (MDF), other wood composites



Textile

Yarns, polymers



Paper

Substitute for wood chips for pulping, currency notes, cardboard



Automotive

Interior panelling, bumpers, spoilers



Oil and gas

Oil spill absorbents, to seal hole around drill bit to prevent lubricant from leaking



Natural fuel

Bio-fuel, biomass for burning in various forms (powder, core fibre and waste in general)



Livestock

Bedding, fodder (kenaf leaves)



Leisure and sports industry

Bicycle frames, softboard, fishing rods



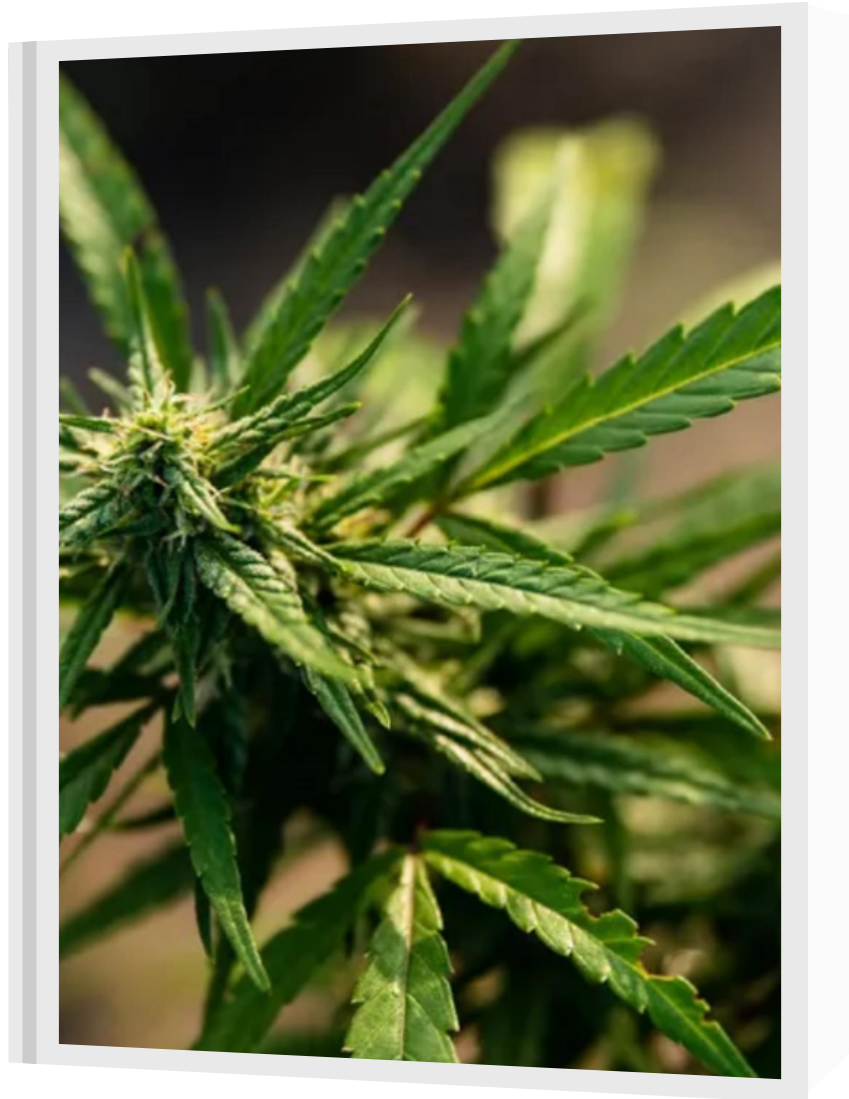
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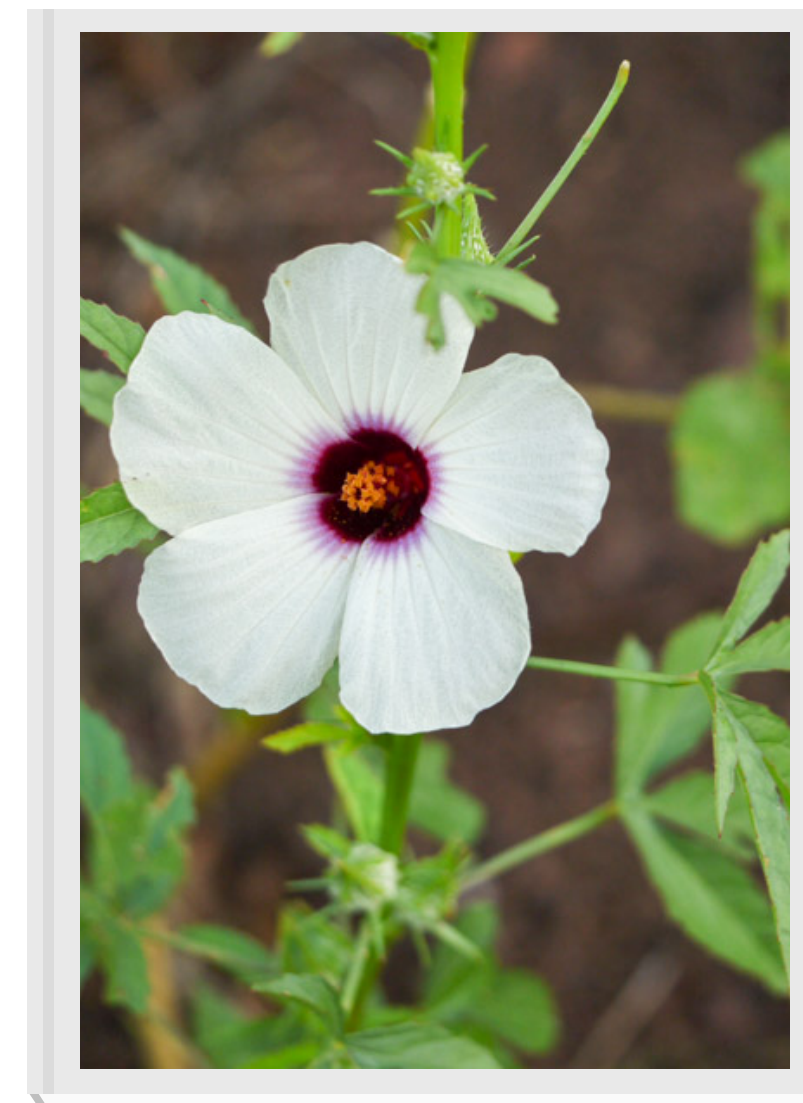
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HEMP

FLOWERS



KENAF

no thc/cbd

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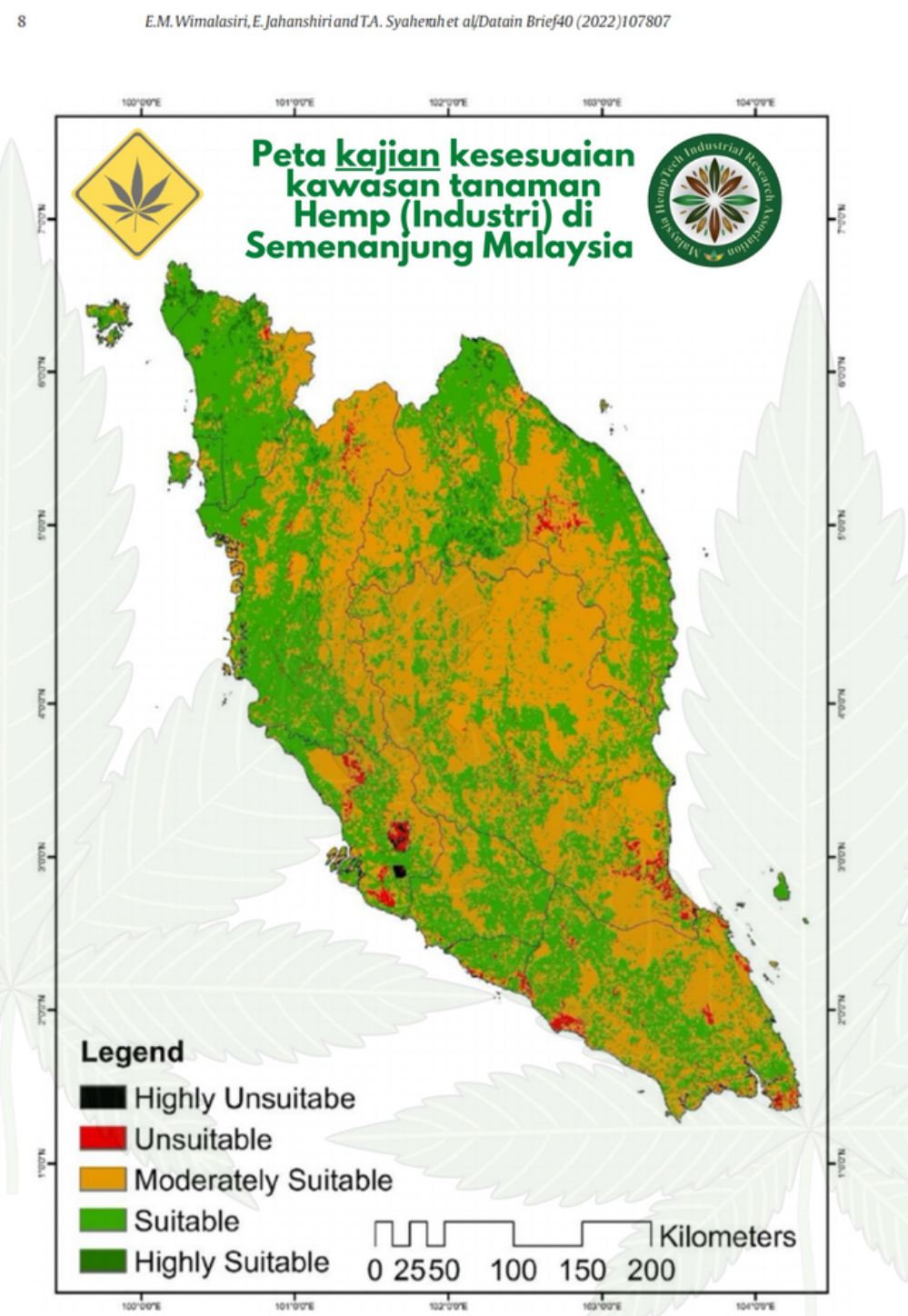
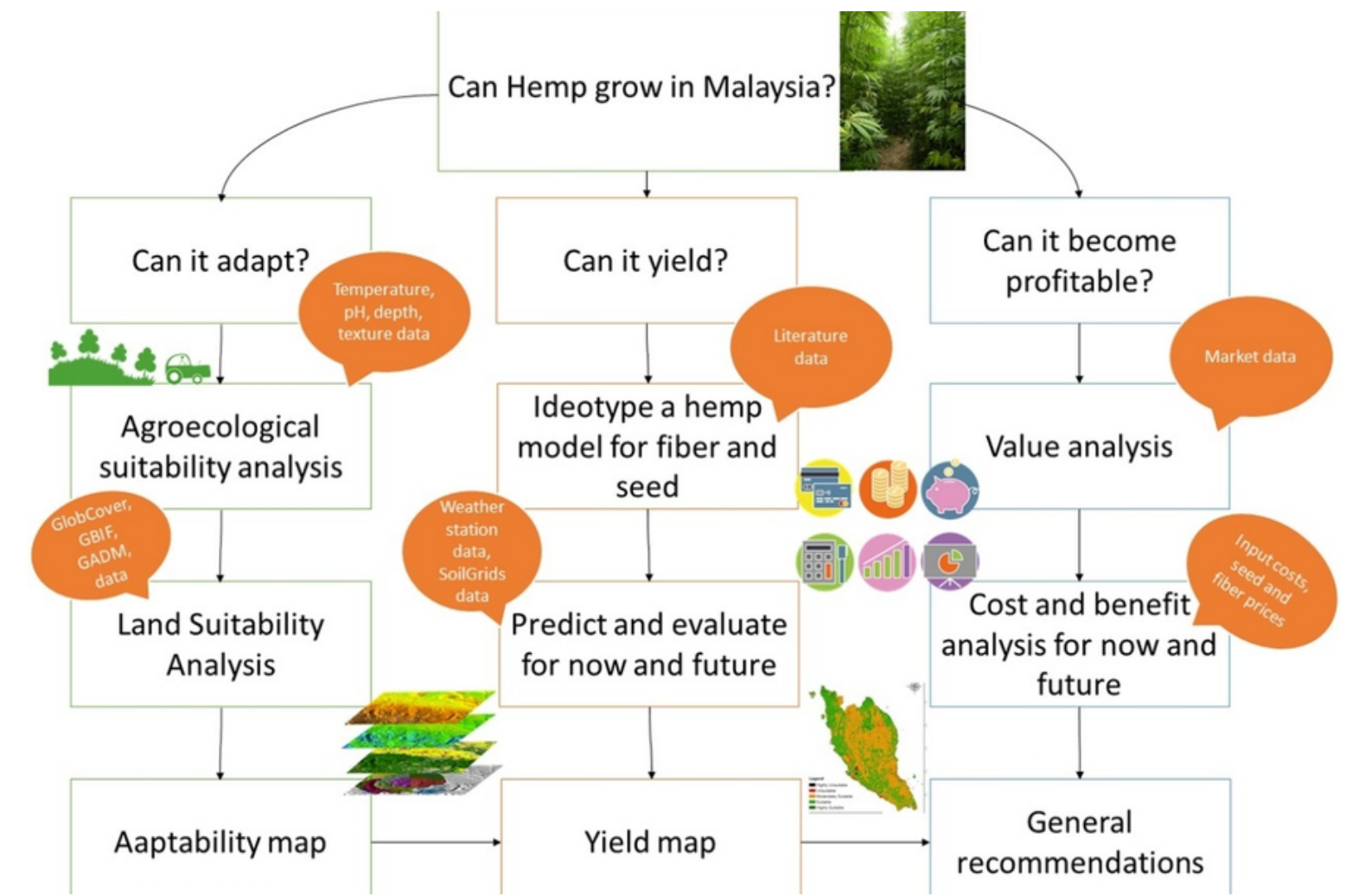


Fig. 4. Overall suitability map for hemp in Peninsular Malaysia (adapted from Wimalasiri et al. [7]) (data available in the repository).
Datasets for the development of hemp (Cannabis sativa L.) as a crop for the future in tropical environments (Malaysia) - January 2022
Data in Brief 40, 107807
DOI:10.1016/j.dib.2022.107807



A framework for the development of hemp (Cannabis sativa L.) as a crop for the future in tropical environments

Volume 172, 15 November 2021, 113999

Source : <https://www.sciencedirect.com/science/article/abs/pii/S0926669021007640>

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TOP 10 'PRIORITY LIST OF ENVIRONMENTAL HEALTH ISSUES IN MALAYSIA'

-  Children's environmental health
-  Vector-borne diseases (e.g., dengue and malaria)
-  Contamination of drinking water sources and emerging water pollutants (e.g., endocrine disrupting chemicals and pharmaceutical drugs)
-  Urban health (housing and sanitation, poor drainage, air pollution, migrants, urban poor, crime and security-related diseases)
-  Climate change
-  Food safety and contamination (e.g., recycled cooking oil, untrained food handlers, especially foreigners, incomplete food labelling on food allergens, non-compliance with food standards)
-  Human exposure to pesticides and other environmental chemicals (e.g. e-waste, industries and lead in paint/consumer products)
-  Zoonotic diseases
-  Exposure to ionising and non-ionising radiation
-  Exposure to fine particles of PM2.5 and ground-level ozone pollution

Source: National Environmental Health Action Plan, Health Ministry

Food security challenges in Malaysia

In 2021, Malaysia imported a staggering RM63 billion worth of food. The recent shortage of chicken and high food prices have created greater awareness about the need for food security in Malaysia.

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Other potential - Highlights



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MHIRA 8 YEARS

1

2015

Established Hemp Malaysia FB community for Malay readers (education and awareness)

2

2016

World Hemp Congress Slovenia - Human Evolution

3

2017

Hemp Environmental Forum Kyoto Japan

4

2018

Tun Mahathir 1st meeting and MOH Minister presentation

UNGASS FAAT UNation Vienna Austria - Strategic Partner Cannabis to UNSDGoals

5

2019

1st Hemp Education Forum - IIUM

EIHA Forum partner

6

2020

Workshops Asia Hemp Summit Speaker

Animal feed from Hemp

7

2021 -

KanaHemp Summit (Regional Webinar Forum)

Training and Workshops for Members

8

PRESENT

Bangkok Office Operation for R & D and Cannabinoids development

9

PRESENT

KAUKUS Steering Committee

Cannabinoids treatment collaboration with clinics and hospital in Thailand.

Hemp Science Center (Regional initiatives with research institution and univeristy)

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Industrial Hemp Workshop - Hempcrete, Fabric & Hemp Seeds/Milk



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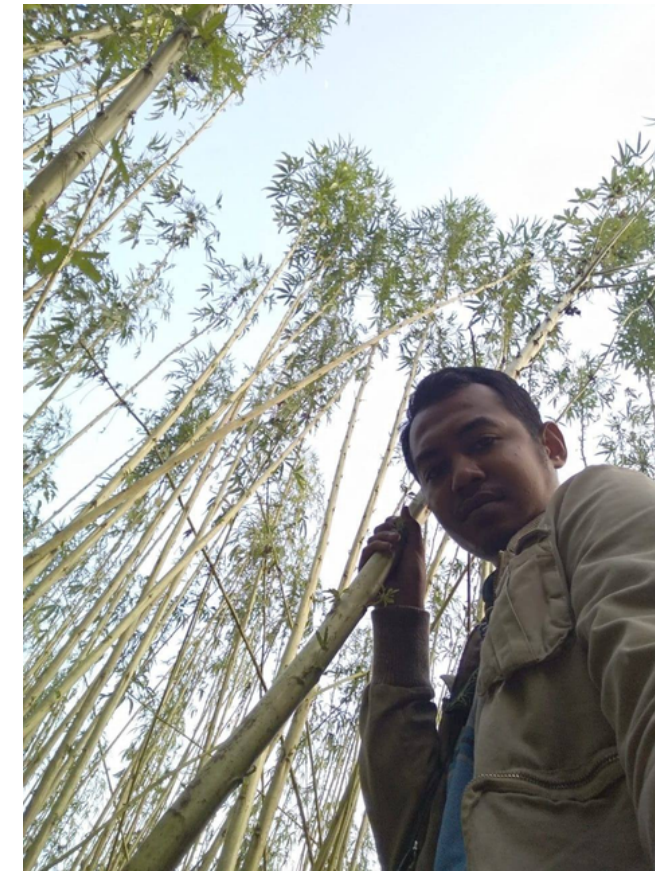
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Natural Fiber
Cultivation

Malaysia &
Indonesia



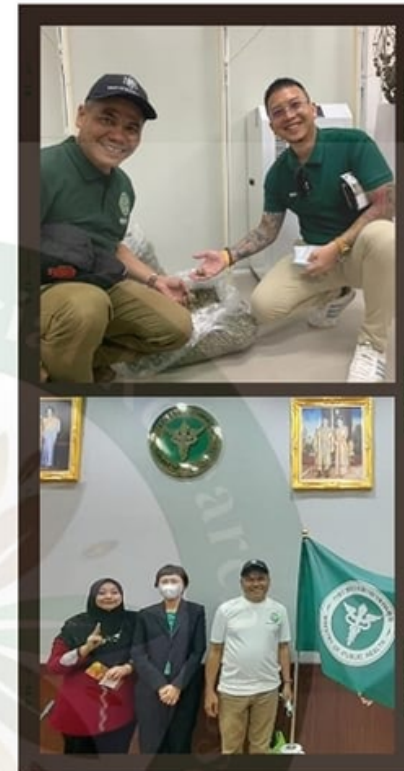
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Published & email to government agencies and university

1st Issue : 2019

2nd issue : 2021

MHIRA Linking Industrial Hemp With Sustainable Development Goals

UNITED NATION SUSTAINABLE DEVELOPMENT GOALS 2030 & HEMP POLICIES

1st edition

2nd edition



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Hemp Regional Project



R & D

Full spectrum
Cannabinoids
treatment in local
clinics and hospital
(Volunteer)

Training & Workshops
-Collaboration with
Ministry of Public
Health and Local
Research Institutions



Hemp Research NGO
Member-based
organised awareness,
Training & Workshop.

Advocacy work

Regional study tour

Natural fiber with
modern technology &
Fabrics Advanced
Materials Industry



Natural fiber
plants cultivation
using Kenaf

Practising
cultivation with
traditional
practise and
semi-modern

Training &
Workshops



Education,
Training &
Workshops

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Project in Thailand

- HSC Hemp Education & Training
- R & D Hemp Animal Feed
- Strategic Partnership with public education and research institution
- Medicinal Hemp Development - Medical Grade non intoxicating. Focusing cbd for free volunteer program
- Integrative Medicine using Cannabinoids - framework
- Asian Medical Cannabis Conference collaboration with Public Health Ministry and Universities

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**Volunteer
Medical
Association
Thailand
Collaboration
on free CBD Oil**



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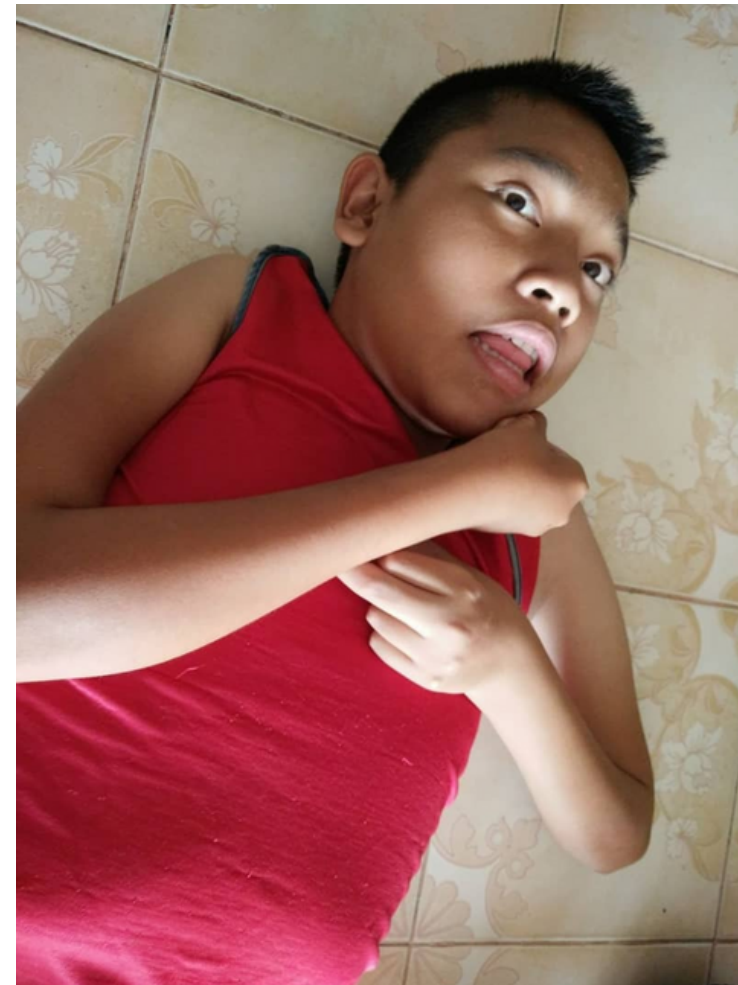
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Breast Cancer



**CBD + traditional
meds Case Study**



Epilepsy



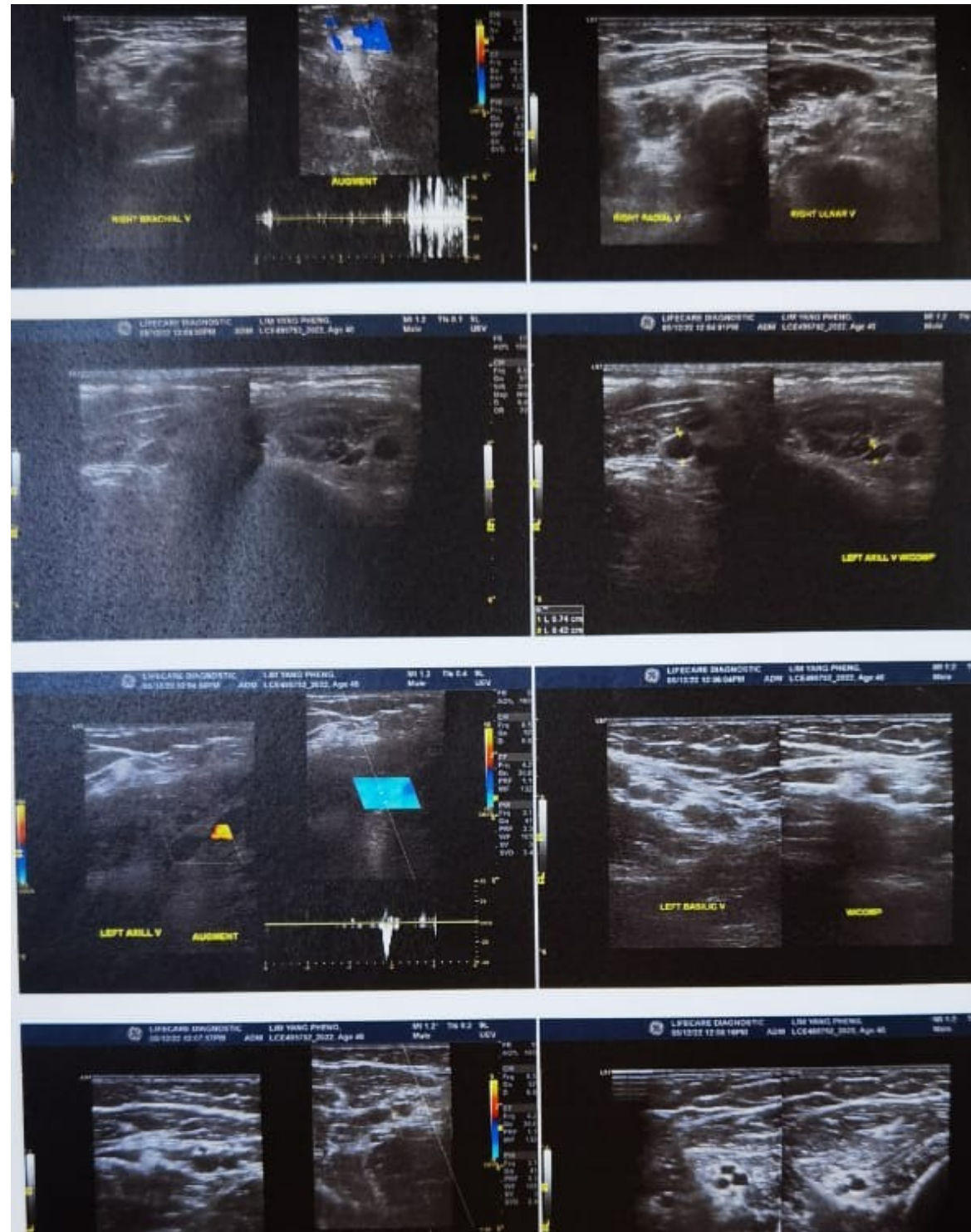
Colon Cancer

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Colon Cancer
Stage 4 to stage 2 in 1 month
consumed Medical Hemp
(non intoxicating)



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Diabetes



Case study
Medical Hemp

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Farm Team - collab with Rangsit University



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*Medical Grade for Medical
Hemp application*



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MHIRA Global (Southeast Asia) - Malaysia & Bangkok

Professional Education



Free CBD Oil
(Chronic Treatment)
- Hemp CBD -



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Thank you !

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