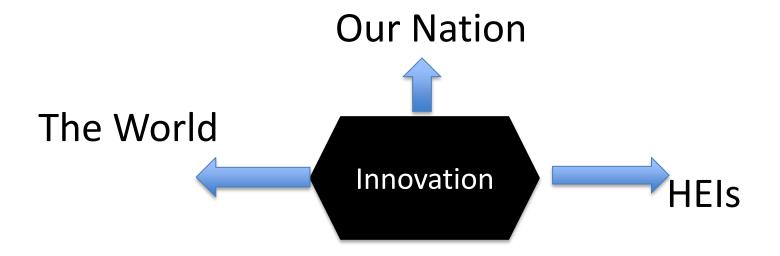




Hjh Zohrah Hj Sulaiman Acting Vice Chancellor



Introduction



WHAT IS INNOVATION?

WHY IS IT SO IMPORTANT?

CAN WE BECOME INNOVATORS?





Innovation means introducing something new





INNOVATION DRIVES ECONOMY

Nanotechnology IT and Networks Biotechnology Neurotechnology



THE WORLD: Examples on Countries

Global Innovation Index 2014: Human Factor Innovation-role of Innovation as a driver of economic growth and world being.



USA-6 Korea-16

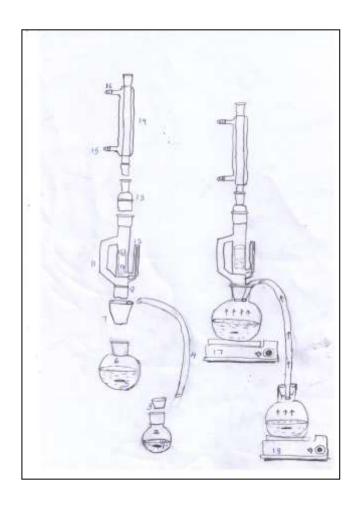
Brunei Darussalam: 88



ALL CAN BECOME INNOVATORS

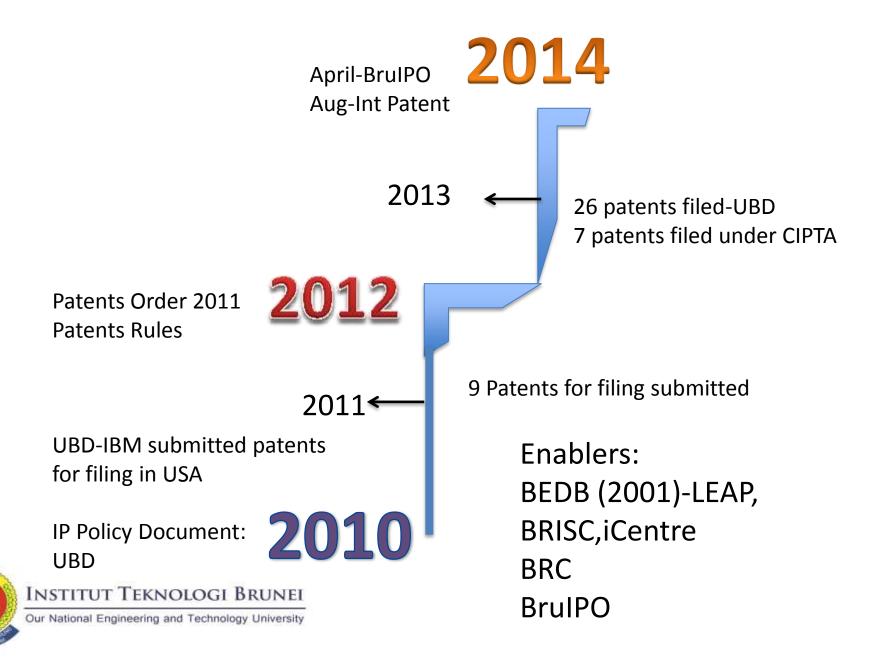


Raw Sketch



OUR INNOVATION: NATION, HIGHER EDUCATION INSTITUTIONS' PERSPECTIVES

THE INNOVATION JOURNEY



Why HEIs are conducive for innovation?

Research grant
Researchers
Graduate Students
Conducive environment



IPO Names Top 100 Patenting Universities

By Kevin E. Noonan --

The Intellectual Property Owners (IPO) recently published a list of the top 100 universities worldwide granted U.S. patents in 2013. As reported in the *IP Record*, these universities are:

Rar	nk University	<u>Patent</u>
1	University of California	399
2	MIT	218
27	KAIST	63



Academic Staff/Researchers and Students



UBD: Est. 1985

No. of Patents: 26

UBD granted first patent with 'flower power'

UBD awarded its first International Patent Tape casting



APPLICATION OF INVENTION-IMPROVED SOXHLET EXTRACTOR SYSTEM FOR BRAN OIL-Prabitha, Zohrah & Junaidah

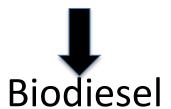






Bran oil

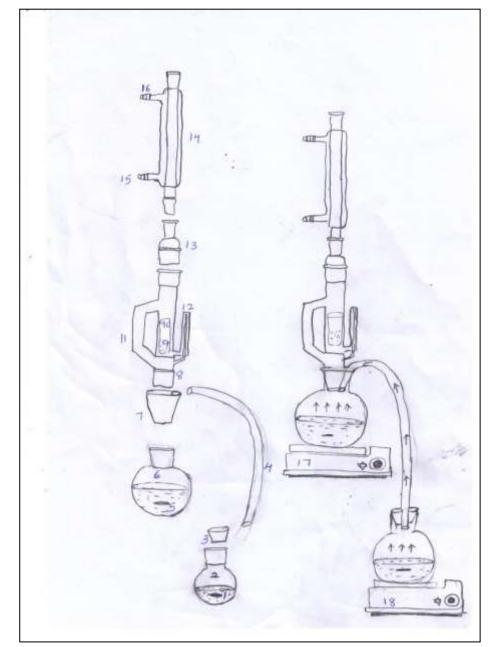
Rice Bran Oil







1: magnetic stirrer 2: second still pot 250 ml 3: adapter4: plastic connecting tube 5: magnetic stirrer 6: first still pot 500 ml 7: adapter 8: siphon exit 9: distillation path 10: rice bran 12:timble 13: glass adapter 14: condenser 5:cooling water in 16: cooling water out







Benefits

Cost effectiveness of invention

Save costs (compared to conventional method) as solvent can be reused and maximum amount of bran oil recovered in shorter period of time.

Bran oil can be transesterified to biodiesel

Biofuel that can be used to replace fossil fuel.

Production of bran oil in large quantity

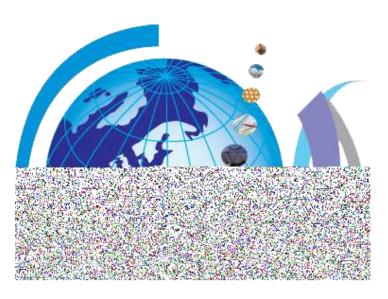
Health benefits as it contains

Antioxidant Y-oryzanol

Mixture of steryl and other triterpenyl esters and ferulic acids, Vit E.

Help to lower total plasma cholesterol and relieve symptoms of menopause.

انوكزه جيفتا فغبران مودامهكوتا







What is CIPTA?

A competition for Creative, Innovative Product, Process and Technological Advancement

Aims

- To encourage Creativity and Innovation in Brunei Darussalam for National Development
- 2. Inculcate the Culture of Innovation



AWARDS & PRIZES

ASEAN CATEGORY

Creating New Product, Process or Technology

New Invention & Innovation Category Best Innovation Award: 958000 and a trophy

Young Inventor Category

Open to upper secondary students (Age Between 15 - 18 years old) Young Inventor's Award: 854000 and a trophy

Special Award - \$10,000

This award is previously known in the Grand Prize which is awarded to the Overall Winner either from Category 1 or 2 and who have met the set criteria. This award is open to the Local (Category 1 & 2) and ASEAN Category.

All participants will be assed with participation certificates.

COMPETITION IMPORTANT DATES

- Closing date for CIPTA 2015 Registration
 Occupier 2016
- Final Submission of Entry Reports
- Presentation and Final Evaluation

HOW TO ENTER?

- Entry forms can be downloaded from the website www.itb.edu.bri/cipta.
- Participation in the competition must be submitted to the organising committee using appropriate entry forms. Participants must submit entry forms in softcopy format before the deadline. The softcopy form must be similar to cipta@fith.indu.bir.
- The entrance five is USD 350.00 for New Invention & Innovation Category and USD 250.00 for Young Inventor Category, The payments must be deposhed to ITB CIPTA account through Bank Telegraphic transfer. Each entry will be levied and telegraphic transfer capp must be sent with the entry form.

For further information and details please contact: CIPTA Secretariat Institut Teknologi Brunei Tungku Link, Gadong BE1410

> Tel: 2461020 (10 lines) Fax: 2461035/6 Email: cipta@itb.edu.bn

www.itb.edu.bn/cipta

Organised by



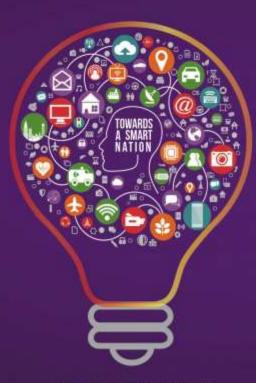
In Partnership with and Sponsored by





THE CROWN PRINCE CIPTA AWARD 2015

The Competition for Creative, Innovative Product and Technological Advancement



ASEAN CATEGORY





CIPTA Milestones

2005 2007 2009

2011

2013

2015

Inauguration of the Crown Prince CIPTA Award Competition

CIPTA Award Competition

The 2nd Crown The 3rd Crown Prince CIPTA Award Competition

The 4th Crown Prince CIPTA Award Competition & Category 3: Young

Inventors category was introduced

The 5th Crown Prince CIPTA Award Competition

The 6th Crown Prince CIPTA Award and 10th years since its Inception & **ASEAN** Category is

introduced



Inspiring . Transforming

THE CROWN PRINCE CIPTA AWARD

Achievements





Patent Filings



LEAP Grant scheme Recipient

Won Gold, silver & bronze award medals at the international innovation, invention & technology exhibition (ITEX), Malaysia



Inventions filed for Patent Protection

Name	Invention	Year of CIPTA Participation	Type of IP Protection
Sufre bin Haji Muhammad	Smart Sensor Assisted Windshield Operation	CIPTA 2013 Category 2 Winner	Patent [Filing Date 26/02/2013]
Hj Jeffery bin Hj Suhaili	Flood - Early Warning System	CIPTA 2013 Category 1 Participant	Patent [Filing Date 4/4/2013]
Awang Galen Singh Sekhon	SIMCOM Direct Replacemnet Of 'Control-Matic' Well Head Control Unit	CIPTA 2009 Category 1 Consolation Prize	Patent
Haji Zupri Bin Haji Kamis	GZup Automatic Water Supply System For Vehicles	CIPTA 2011 Participant	Patent [Filing Date 1/10/2012]
Haji Zupri Bin Haji Kamis	GZup Water Supply System For Side Mirrors Of Vehicles	CIPTA 2011 Participant	Patent [Filing Date 4/10/2012]
T.Puspasanan @Edmond Anan	Smart Disposable Collar	CIPTA 2005 Category 1 Participant	Patent [Filing Date 15/02/2013]
T.Puspasanan @Edmond Anan	Cook's LPG Advisory Device	CIPTA 2005 Category 1 Participant	Patent [Filing Date 15/02/2013]



Patenting Their Discoveries Does Not Pay Off for Most Universities, a Study Says

By RICHARD PÉREZ-PEÑA

Published: November 20, 2013

But only a small number of universities consistently produce lucrative breakthroughs and collect the vast majority of the money. A blockbuster discovery can alter a university's fortunes, like the patents on inserting foreign DNA into cells, which brought \$790 million to Columbia University, or the patents leading to the drugRemicade, used to treat autoimmune diseases, from which New York University collected more than \$1 billion.



In conclusion:

- 1. HEIs are to push boundaries in providing education goal that includes, creations, technological innovations from research activities;
- 2. Continue to encourage and fostering students to be entrepreneurial and able to become problem solvers;
- 3. Enhance Industry collaboration with HEIs-ITB-Beijing Sesame, UBD-Pixela;
- 4. Continue to create IP awareness





