

ARCASIA Committee on Green and Sustainable Architecture

ACGSA

Presented by :
Ar. Mahri Latif
PUJA Architect Division Finance Administrator

MAY 2017, JAIPUR

Brunei Darussalam in a nutshell



- *ARCASIA ZONE B*
- *PUJA Brunei – 21st Member Institute of ARCASIA*

Brunei Darussalam in a nutshell



CAPITAL BANDAR SERI BEGAWAN

POPULATION 413,000

AREA 5,765 SQM

LANGUAGES MALAY, ENGLISH, CHINESE

ETHNICITY 65% MALAY, 10% CHINESE

RELIGION 78% MUSLIM, 8% CHRISTIAN, 7% BUDDHIST

LIFE EXPECTANCY 76 YEARS (MEN), 81 YEARS (WOMEN)

**LEADER HIS MAJESTY THE SULTAN HAJI HASSANAL
BOLKIAH MU'IZZADDIN WADDAULAH DAN YANG
DI-PERTUAN NEGARA BRUNEI DARUSSALAM**

MIND YOUR ENVIRONMENT

Architecture always enters a pre-existing environment, and in turn affects its environment through energy consumption, amongst other things.



Green Initiative

GOALS FOR EFFICIENCY IMPROVEMENT



Brunei Green Building Council

Founded in April 2013



Increase awareness of global warming due to CO2 emissions, embrace green technology in construction, reduce our carbon footprint, minimize waste, and reduce the negative impact of building construction on the environment.

"It is GBC Brunei's hope that people will become more concerned about saving the environment and it is the responsibility of everyone to develop a sustainable environment and not just of the professionals."

Ar. Dato Paduka Hj Idris bin Hj Abas

MISSION

- To drive Brunei Darussalam's construction industry towards more environment-friendly buildings.
- To promote sustainability in the built environment.
- To raise environmental awareness among developers, designers and builders when they start project conceptualization and design, as well as during construction.
- To raise environmental awareness among the general public.
- To legalize Green Initiative
- To identify stakeholders
- To establish benchmark for assessment criteria

Energy Efficiency & Conservation (EEC) Guidelines 2015

The launching of the EEC guidelines encourages environmentally-friendly building designs, good practices in the local construction industry, reduction of pollution and to make more use of renewable energy to help the Sultanate wean itself away from its over dependence on non-renewable energy sources

All new government buildings would be required to adopt green design, construction, operation and maintenance. However, the guidelines will be voluntary for the private sector for the time being

Expected to reduce the amount of energy that new buildings consume by between 30-50%

Brunei Accredited Green Unified Seal (BAGUS)

Green Rating system for Non-Residential Projects developed by Public Works Department

A "Green Tool" to assess sustainability and durability

3 Government buildings were awarded with BAGUS status:

1. Ministry of Development
2. Public Works Department Headquarters
3. Housing Development Department



Jerudong International School Sports Complex **Eco Bumi Arkitek**

- *Provides the students at JIS with further opportunities to be the best that they can be.*
- *The design allows the students to be socially aware of the impact of a building in our carbon footprint and prides itself on the its eco-friendly design.*



CAE Multi Purpose Training Centre
Eco Bumi Arkitek

- *Completed in 2014*
- *BCA Green Mark Gold Status*

**Green Roof, Green Walls, Landscape, Green
Certified Finishes and Materials**



Anggerek Desa D&T Building
P.A.Y Architects

- *Completed in 2014*



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ACGSA
PERTUBAHAN UKUR JURUTERA & ARKITEK
NEGARA BRUNEI DARUSSALAM

Thank you **ACGSA!**