



UNIVERSITAS
INDONESIA

Veritas, Probitas, Justitia



This certificate is awarded to

Valaya Alongkorn Rajabhat University Under The
Royal Patronage
which ranks 564th
in 2017 UI GreenMetric World University Rankings

Prof. Dr. Ir. Muhammad Anis. M. Met
Rector of Universitas Indonesia

Prof. Dr. Ir. Riri Fitri Sari, M.Sc., M.M
Chairperson of UI GreenMetric



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Fact File 2017



**VALAYA ALONGKORN RAJABHAT
UNIVERSITY UNDER THE ROYAL
PATRONAGE**

THAILAND

1 m.20 Klong Nung, Klong Luang, Pathumthani 13180

UNIVERSITY PROFILE

University Name : Valaya Alongkorn Rajabhat University
Under The Royal Patronage

Website : vru.ac.th

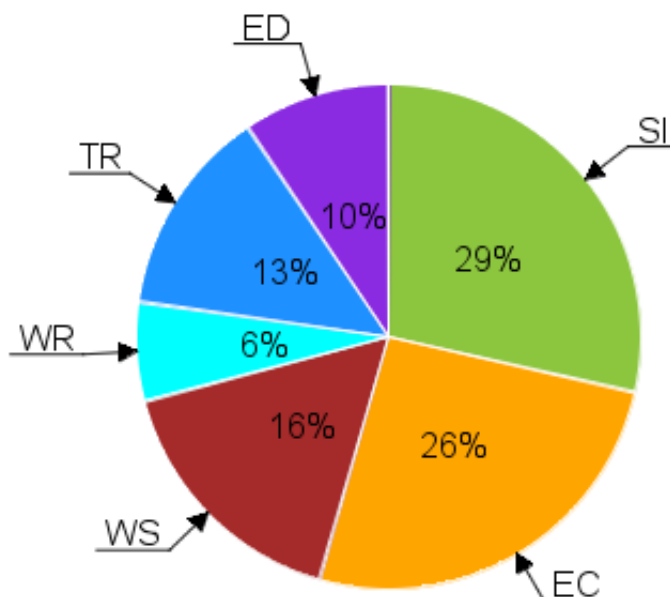
Established : 1932

Country : Thailand



VERIFIED DATA

Category	Point	Maximum Point	Percentage
Setting and Infrastructure (SI)	778	1500	51.87 %
Energy and Climate Change (EC)	702	2100	33.43 %
Waste (WS)	447	1800	24.83 %
Water (WR)	170	1000	17.00 %
Transportation (TR)	361	1800	20.06 %
Education (ED)	263	1800	14.61 %
Total Score	2,721	10000	27.21 %



Result Summary

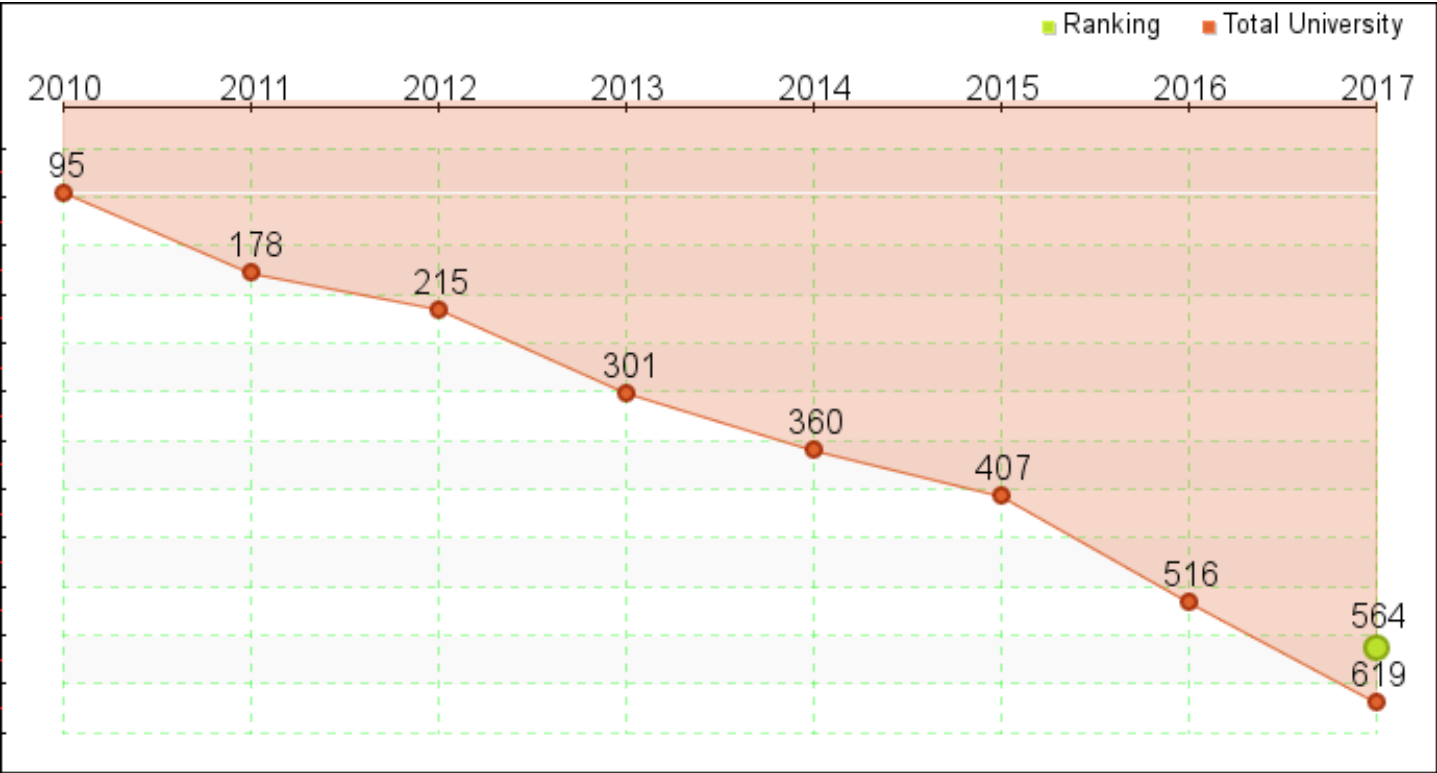
World Ranking

564

Ranking in Thailand

26

World Rankings History



UI GreenMetric World University

Rankings

About UI GreenMetric

UI GreenMetric World University Rankings is an annual publication of university rankings by UI GreenMetric. UI GreenMetric World University Rankings is a program from University of Indonesia that rank universities by their commitment and action towards going green and environmental sustainability. UI GreenMetric World University Rankings aims to increase awareness in universities towards sustainability.

History

In 2009, University of Indonesia hosted an International Conference on World University Rankings. The conference attended by World University ranking, such as Webometrics, HEEACT, and others. In 2010, Prof. Dr. Gumilar Rusliwa Somantri as Rector of University of Indonesia at the time initiated UI GreenMetric World University Rankings and appointed Prof. Riri Fitri Sari as the chairperson. Soon a team consisting of Junaidi, Budi Hartono, Allan Lauder, and Prof. Prof. Ir. Gunawan Tjahjono formulated UIGM Questionnaire and introduce UI Ranking to the world. In 2011, it added 11 new indicators in 5 categories and add Education as category in 2012. By the year 2015, a massive improvement was introduced including carbon footprint and a more systematic data collection to focus the activity. UIGM took policy into action in 2016 and global partnership for sustainable future in 2017. To reach and coordinate more universities participant. UI GWURN was established in 2017 to having national coordinates in each country. To date, 515 universities from 75 countries participate in the rankings.

Since its established in 2010, it has been increasingly recognized the first and only universities ranking sustainability and has been used by participant university to benchmark and do continuous improvement in the area of sustainability. As member of IREG, more activities and collaboration among the participant universities are expected to achieve our common goal: sustainable university for sustainable future.

UI GreenMetric Rankings TIMELINE	
2010	UI GreenMetric published for 95 Universities
2011	UI GreenMetric added 11 new indicators within 5 categories
2012	Education became one of the categories
2015	Introducing Carbon Footprint and factfile document
2016	Focusing on university action towards sustainability
2017	UIGWURN established

UI GreenMetric developed its own ranking system by studying other ranking systems such as: The Times Higher Education World University Rankings (THE) sponsored by Thompson Reuters, the QS World University Rankings, the Academic Ranking of World Universities (ARWU) published by Shanghai Jiao Tong University (SJTU), and the Webometrics Ranking of World Universities (Webometrics), published by Cybermetrics Lab, CINDOC-CSIC in Spain.

Methodology

UI GreenMetric collect data through online questionnaire. All participant answered same question for some period of time. After questionnaire close, UI GreenMetric expert member validate the answer based on evidence that participant provide.

This year's categories and weighting of points are shown as follows.

Table 1 Categories used in the ranking and their weighting

No	Category	Percentage of Total Points (%)
1	Setting and Infrastructure (SI)	15
2	Energy and Climate Change (EC)	21
3	Waste (WS)	18
4	Water (WR)	10
5	Transportation (TR)	18
6	Education (ED)	18
	TOTAL	100

The specific indicators and their points awarded are shown in Table 2. Each indicator has been uniquely identified by a category code and a number (e.g. SI 5).

Table 2 Indicators and categories

No	Categories and Indicators	Points	Weighting
1	Setting and Infrastructure (SI)		15%
SI 1	The ratio of open space area towards total area	300	
SI 2	The ratio of open space area towards campus population	300	
SI 3	Area on campus covered in forest	200	
SI 4	Area on campus covered in planted vegetation	200	
SI 5	Area on campus for water absorbance	300	
SI 6	University budget for sustainable effort	200	
	Total	1500	
	Energy and Climate Change (EC)		21%
EC 1	Energy efficient appliances usage	200	
EC 2	Smart building implementation	300	
EC 3	Renewable energy produced on campus	300	
EC 4	The ratio of total electricity usage towards campus population	300	
EC 5	The ratio of renewable energy produced towards energy usage	200	
EC 6	Element of green building implementation	300	
EC 7	Greenhouse gas emission reduction program	200	
EC 8	The ratio of total carbon footprint towards campus population	300	
	Total	2100	
	Waste (WS)		18%
WS 1	Program to reduce the use of paper and plastic in campus	300	
WS 2	Recycling program for university waste	300	
WS 3	Toxic waste handled	300	
WS 4	Organic waste treatment	300	
WS 5	Inorganic waste treatment	300	
WS 6	Sewerage disposal	300	
	Total	1800	
	Water (WR)		10%
WR 1	Water conservation program	300	
WR 2	Water recycling program	300	
WR 3	The use of water efficient appliances	200	
WR 4	Piped water consumed	200	
	Total	1000	
	Transportation (TR)		18%
TR 1	The ratio of vehicles (cars and motorcycles) towards campus population	200	
TR 2	The ratio of shuttle services towards campus population	200	
TR 3	The ratio of bicycles towards campus population	200	
TR 4	Parking area type	200	
TR 5	Transportation initiatives to decrease private vehicles on campus	200	
TR 6	Parking area reduction for private vehicles over the last 3 years (from 2014 to 2016)	200	
TR 7	Shuttle services	300	

TR 8	Bicycle and pedestrian policy on campus	300	
	Total	1800	
6	Education (ED)		18%
ED 1	The ratio of sustainability courses towards total courses/modules	300	
ED 2	The ratio of sustainability research funding towards total research funding	300	
ED 3	Sustainability publications	300	
ED 4	Sustainability events	300	
ED 5	Sustainability student organizations	300	
ED 6	Sustainability websites	300	
	Total	1800	
	TOTAL	10000	

If you have questions or suggestions about this report, please contact



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