



## Template for Evidence(s) UI GreenMetric Questionnaire

University:Universitas Sebelas MaretCountry:IndonesiaWeb Address:<a href="https://uns.ac.id/">https://uns.ac.id/</a> web greencampus UNS <a href="https://greencampus.uns.ac.id/">https://greencampus.uns.ac.id/</a>

[2] Energy and Climate Change (EC)

## [2.3] Smart Building Implementation

## \*Min. at least five requirements for each building

No.	Name	Place	automation		safety			energy		water		Indoor environment			lighting				Building Area (m²)		
			B1	B2	<b>S1</b>	<b>S2</b>	<b>S</b> 3	<b>S4</b>	<b>E1</b>	E2	A1	A2	11	12	13	14	L1	L2	L3	L4	
1	Universitas Sebelas Maret; Building of Library	Surakarta, Indonesia	x			x	x	x		x		x				x	x	x		x	7,457.55 m <sup>2</sup>
2	Universitas Sebelas Maret; Building of Educational Hospital	Surakarta, Indonesia	x			x	x			x		x				x	x		x		3,0285 m <sup>2</sup>
3	Universitas Sebelas Maret; Building of Medical Faculty	Surakarta, Indonesia	x			x	x		x		x				x		x				2,3026 m <sup>2</sup>
4	Universitas Sebelas Maret; Building of FP	Surakarta, Indonesia	x			x			x		x				x				x		5,893 m <sup>2</sup>
5	Building of Pasca	Surakarta, Indonesia	x			x			x		x				x				x		7,370 m <sup>2</sup>
6	Universitas Sebelas Maret; Building of UNS Inn	Surakarta, Indonesia	x			x			x		x				x				x		12,922 m <sup>2</sup>
		Total																			86.953,55 m <sup>2</sup>

– Please compile one row for each building (or homogeneous part of it) by ticking with a "X" for each requirement —

## Smart building implementation

 ${total \, smart \, building \, area \over total \, building \, area} imes 100\%$ 

Example:

\*Total Building Area: 332,332 m<sup>2</sup> = 86954: 367918= 23.63 %











			1	
Automatic Door Sensor System applicated the UNS University Hospital	in	Automatic Fire Alarn Sensor System applic in in the UNS Inn		CCTV as a security system in UNS
Smart building impementation by using <i>Fire detector,</i> sprinkler, dan fire alarm in all over the floor areas in the Library Building UNS .	Sirc floo Buil	use of Vertical ulation to the 8 th r of the Library ding is provided by for diffabel	Buildir protec	curity system of Museum ng has been provided by Fire tion System: sprinkler, fire and exhaust fan.

Description:

The Smart building System has been implemented in the Several buildings in UNS by utilized the smart building componets, as follows: automatic fire alarm sensor system, automatic water tab and elevator for vertical sirculation in the building. Several building, which have been applied smafrt building cmponents are : the Medical Faculty Building, the Faculty of Agriculture Building; The Post Graduate Building; the Library Building; UNS Inn, the UNS University Hospital.