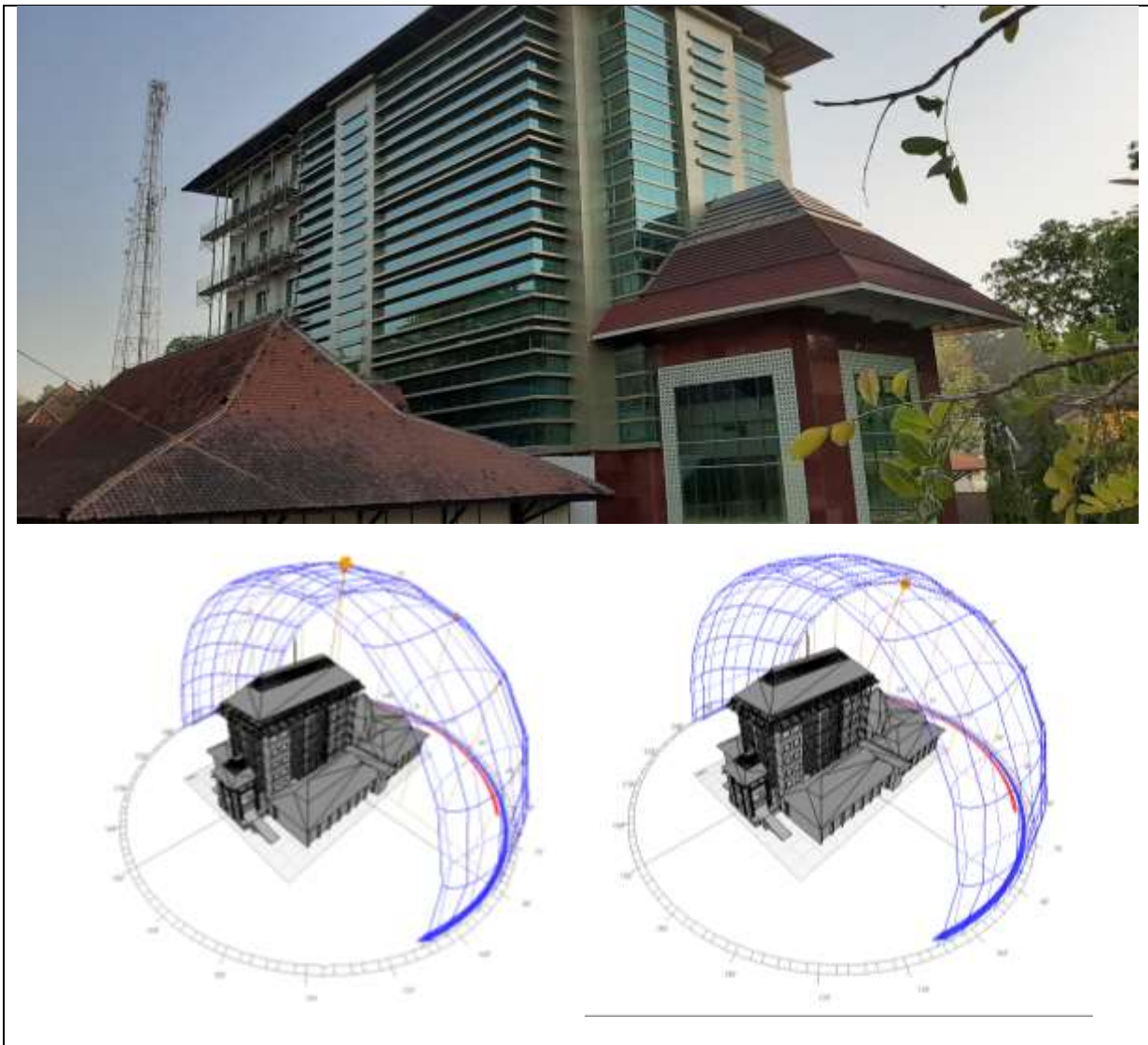


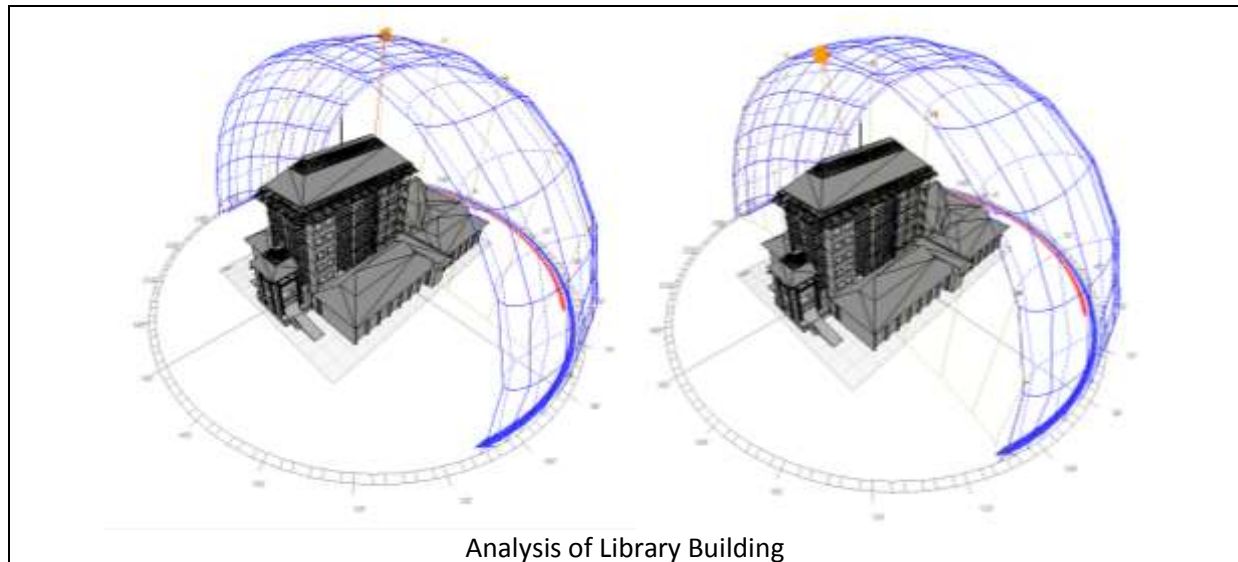
Template for Evidence(s) UI GreenMetric Questionnaire

University : Universitas Sebelas Maret
Country : Indonesia
Web Address : <https://uns.ac.id/> web greencampus UNS <http://greencampus.uns.ac.id/>

[2] Energy and Climate Change (EC)

[2.9] Elements of Green Building Implementation as Reflected in All Construction and Renovation Policies





Analysis of Library Building

Figure 1. Example of Green Building Implementation – Building Orientation for energy efficiency energy of building

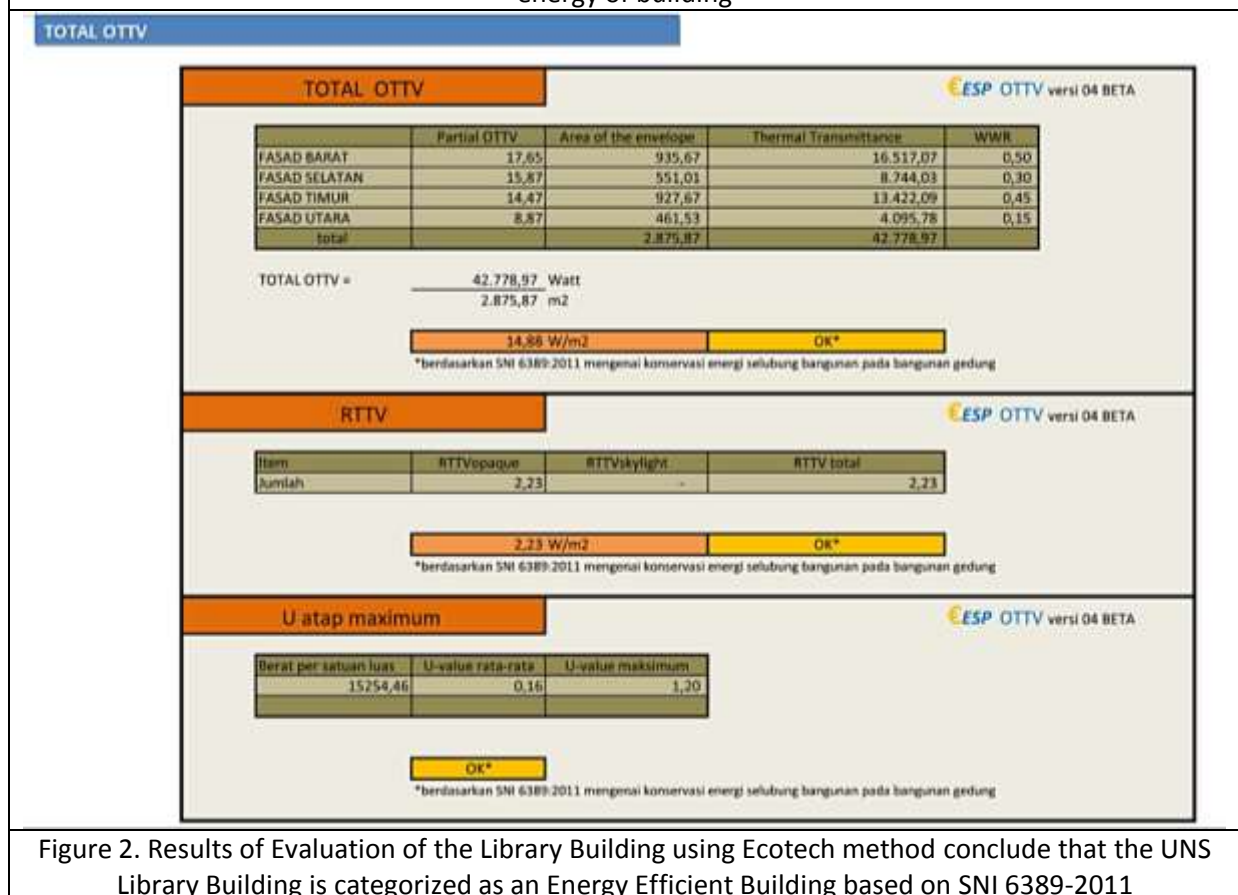


Figure 2. Results of Evaluation of the Library Building using Ecotech method conclude that the UNS Library Building is categorized as an Energy Efficient Building based on SNI 6389-2011

Description:

Universitas Sebelas Maret operates simulation assessment to the Library Building, which concludes that the Library Building is categorized as a Green Building with OTTV 14.88 W/m^2 and RTTV of 2.23 W/m^2 , under the maximum score of SNI 6389-2011 (35 W/m^2). It means that the UNS Library Building is categorized as an energy efficient Building.



The Green Wall has been implemented in the main canopy of Faculty of Art and Design UNS



The Green wall, which is applied sloperly in the canopy proposes for reducing daily hot weather entering the building

Description:

Universitas Sebelas Maret has applied innovation in the use of the Green Element for Campus Building. This can be seen in the Faculty of Art and Design for the main canopy.



Figure 1. Natural ventilation by the use of roster in the UNS Inn



Figure 2. The use of window for natural ventilation, which flows the natural air circulation is applied in the Student Center Building.





Figure 3. The use of glass material for the wall and roof as a Natural lighting is applied to the Library Building, Medical Faculty Building, the Post Graduate Building, and others.



The UNS Library Building

Nurul Huda Mosque UNS



Building E Agriculture Universitas Sebelas Maret Surakarta

Figure 4. The use of Green material : a Tempered Glass and a light brick wall

**Description:**

The Element of green building is applicated in UNS in the several applications:

1. The provision of a natural air sirculation for the communal space such as in the entrance of the UNS Inn, ans some of class rooms in UNS.
2. The use of a permanent opening system, by permanent window for natural ventilation, which flows the natural air sirculation daily as well for creating an attractive building performance and protecting the building from the rain water
3. The use of glass material for the wall and roof as aNatural lighting is applicated to the Library Building, Medical Faculty Building, the Post Graduate Building, and others.
4. The use of Green material, which is ecologis and less costly : a Tempered Glass and a light brich wall, which is applicated in Building E Faculty of Agriculture.

Additional evidence link: