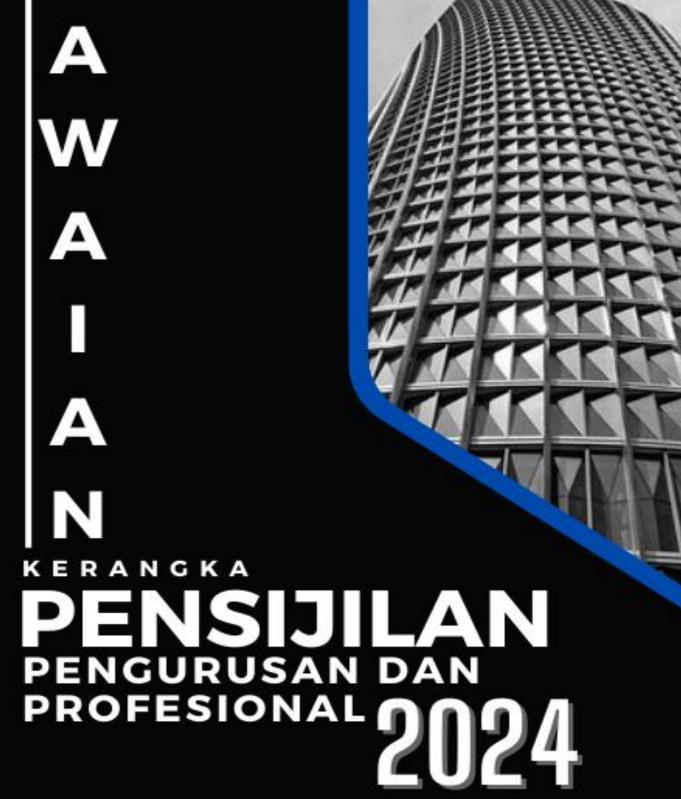
## DISIPLIN ARKITEK

KOMPETENSI SENI BINA LESTARI



CREATE



## **KEPERLUAN SKOP PENGETAHUAN DAN KRITERIA PRESTASI**

BIDANG KOMPETENSI	: SENI BINA LESTARI
ТАНАР	: TAHAP 2 - ASAS

TITL	TITLE SENI BINA LESTARI			
UNI	Τ1	<b>TAHAP 2 (BASIC)</b> – Demonstrate knowledge and understand the principles of Green Building Design, GBD.		
ELE	MENT 1.1	Able to understand a Design, GBD.	le to understand and describe the principles of Green Building	
	PERFORMA	NCE CRITERIA	RANGE OF VARIABLES	
1.0	as follows: i. Overa Building ii. Passi iii. Activ	of basic GBD covers Il concept of Green i ve design elements e design elements practice	Activities may be carried out by candidate or by o t h e r s within t h e team for whom candidate has responsibility. *Resources, environment, key personnel, duration, effort, sequences, software, green standards. (identify parameter/parameters)	
E	<b>EVIDENCE REQUIREMENTS</b> * (Identify evidence of competency at this element)			
1.0 2.0	1 3 3			
ELE	MENT 1.2	Able to understand a Standards	nd describe Green Building Rating Tools and	
	PERFORMA	NCE CRITERIA	RANGE OF VARIABLES	
1.0	<ul> <li>1.0 The identified Green Building Rating tools and standards are as follows: <ol> <li>Local rating tool</li> <li>(MyCREST/GBI/Green RE/ pH JKR)</li> <li>International Rating Tool</li> <li>(LEED/BREEAM/Green Mark etc.)</li> <li>Local Standard</li> <li>(MS 1525:2019)</li> <li>Iv. International Standard (if any)</li> </ol> </li> </ul>		Activities may be carried out by candidate or by others within the team for whom candidate has responsibility. *Resources, Environment, Key personnel, Duration, effort, sequences, software, green standards. (identify parameter/parameters)	
<b>EVIDENCE REQUIREMENTS</b> * (Identify evidence of competency at this element)				
1.0 2.0	1 0 0			



## **KEPERLUAN SKOP PENGETAHUAN DAN KRITERIA PRESTASI**

BIDANG KOMPETENSI	: SENI BINA LESTARI
ТАНАР	: TAHAP 3 - KOMPETEN

ΤΙΤ	LE	SENI BINA LESTARI		
UN	IT 2	<b>TAHAP 3 (COMPETENT)</b> Apply architectural knowledge and implement GBD by using green building rating tools, green building standards and building energy simulation (BES) software.		
EL	EMENT 2.1	Able to design green	building	
	PERFORMA	NCE CRITERIA	RANGE OF VARIABLES	
1.0	The scope covers: i. Interio ii. Exterio iii. Enviro iv. Best F	or nmental	Activities may be carried out by candidate or by others within the team for whom candidate has responsibility. *Resources, Environment, Key personnel, duration, effort, sequences, software, green standards. (identify parameter/parameters)	
	EVIDENCE RI	EQUIREMENTS * (Ide	ntify evidence of competency at this element)	
1.0 2.0 ELI	Supporting evidence : BES software energy analysis report (i.e. Energy Plus, Green			
PERFORMANCE CRITERIA		ANCE CRITERIA	RANGE OF VARIABLES	
<ul> <li>1.0 Building Energy Analysis covers: <ol> <li>Energy</li> <li>Solar and</li> <li>daylighting</li> <li>Thermal</li> <li>Analysis</li> <li>Natural</li> <li>Ventilation</li> <li>Carbon</li> <li>Emission</li> </ol> </li> </ul>		y and iting al sis il ation n	Activities may be carried out by candidate or by others within the team for whom candidate has responsibility. *Resources, Environment, Key personnel, Duration, effort, sequences, software, green standards. (identify parameter/parameters)	
	EVIDENCE REQUIREMENTS * (Identify evidence of competency at this element)			
1.0 2.0				



## KEPERLUAN SKOP PENGETAHUAN DAN KRITERIA PRESTASI

BIDANG KOMPETENSI	: SENI BINA LESTARI
ТАНАР	: TAHAP 4 - MAHIR

TIT	LE	SENI BINA LESTARI	
UN	IT 3	<b>Tahap 4 (proficient)</b> – Provide evidence of consultation/advice on GBD and green project management. Use advanced BPS software such as BIM.	
ELI	EMENT 3.1	Able to consult, evaluate and analyse building energy performance and life-cycle-cost of GBD	
	PERFORMANCE CRITERIA RANGE OF VARIABLES		RANGE OF VARIABLES
<ul> <li>1.0 The scope of consultation &amp; evaluation consist of:         <ul> <li>i. Life Cycle Cost of Green Building</li> <li>ii. Facilities Management (FM) of Green Building</li> <li>iii. Energy Audit for Retrofitting</li> <li>iv. Energy Management System (EnMS15001)</li> </ul> </li> </ul>		et of Green Building nagement (FM) of g for Retrofitting gement System	Activities may be carried out by candidate or by o t h e r s w i t h i n t h e team for whom candidate has responsibility. *Resources, Environment, Key personnel, Duration, effort, sequences, software, green standards. (identify paramater/parameters)
1.0 2.0			