

Supplementary material

S1 Data Results

1.1 Evaluation of the Outer Model

A good validity for its construct or latent if the loading factor value is ≥ 0.7 . The following are the results of the validity test on the results of the questionnaire distribution data to 91 respondents (Table S1).

Based on the table above, there are question items that have loading factor values < 0.70 . Thus, it is necessary to eliminate invalid question items (Table S2).

Based on the table above, all statement items can be called accurate because the loading factors value is ≥ 0.70 . The next stage of analysis was the average variance extracted (AVE) test. The expected AVE value is > 0.50 . Based on the results of this analysis.

All variables are accurate because the AVE value is ≥ 0.5 (Table S3).

An instrument indicator is declared reliable if it has a Cronbach Alpha and Composite Reliability coefficient > 0.7 . The results above show that the alpha coefficient (Cronbach alpha) and composite reliability have numbers > 0.7 (Table S4).

The results of hypothesis testing can be seen as follows (Table S5).

Based on the results of data processing in the table above, the results of hypothesis testing are obtained in the form of variables that have an influence on the dependent variable because the T statistic value is > 1.96 and the p value is < 0.05 , namely as follows:

- 1. Self-efficacy for reflective thinking
- 2. Self-regulated learning on self-efficacy
- 3. Self regulated learning towards reflective thinking

Table S1: Validity test of factor loadings

	Self efficacy	Reflective thinking	Self regulated learning	Discussion	Tasks	Examination
BSH01		0.581				
BSH02		0.731				
BSH03		0.698				
BSH04		0.677				
BSH05		0.678				
BSH06		0.701				
BSH07		0.697				
BSH08		0.631				
ES1			0.521			
ES2			0.574			
ES3			0.539			
ES4			0.602			
G1	0.271					
G2	0.309					
G3	0.782					
HS1			0.641			
HS2			0.637			
HS3			0.506			

(Continued)

Table S1: *Continued*

	Self efficacy	Reflective thinking	Self regulated learning	Discussion	Tasks	Examination
HS4			0.606			
HS5			0.510			
HS6			0.375			
KD01	0.457					
KD02	0.490					
KD03	0.367					
KD04	0.187					
KMP01		−0.062				
KMP02		0.028				
KMP03		0.342				
KMP04		0.225				
KMP05		0.146				
KMP06		0.146				
KMP07		0.315				
M1	0.599					
M2	0.700					
M3	0.827					
MAL1			0.695			
MAL2			0.715			
MAL3			0.781			
MAL4			0.732			
MAL5			0.706			
MAL6			0.732			
MBL1			0.703			
MBL2			0.694			
MBL3			0.691			
MBL4			0.712			
MBL5			0.662			
MBL6			0.652			
MBL7			0.655			
MDL1			0.578			
MDL2			0.781			
MDL3			0.731			
MDL4			0.797			
MDL5			0.704			
MDL6			0.329			
MDL7			0.625			
MED01		0.611				
MED02		0.751				
MED03		0.096				

(Continued)

Table S1: Continued

	Self efficacy	Reflective thinking	Self regulated learning	Discussion	Tasks	Examination
MED04		0.473				
MED05		0.696				
MED06		0.799				
MED07		0.785				
MED08		0.623				
MED09		0.603				
MED10		0.718				
MED11		0.769				
MED12		0.425				
MED13		0.475				
P1			0.160			
P2			0.507			
P3			0.503			
P4			0.233			
P5			0.491			
P6			0.617			
P7			0.618			
S1	0.737					
S2	0.548					
S3	0.620					
S4	0.682					
TM1			0.612			
TM2			-0.323			
TM3			0.673			
TM4			0.024			
TM5			0.707			
Discussion				1.000		
Tasks					1.000	
Examination						1.000

Table S2: Validity test of loading factors after elimination

	Self efficacy	Reflective thinking	Self regulated learning	Discussion	Tasks	Examination
G3	0.878					
M3	0.922					
S1	0.799					
MAL2			0.716			
MAL3			0.791			
MAL4			0.817			
MAL5			0.770			
MAL6			0.816			
MDL2			0.840			
MDL3			0.789			
MDL4			0.872			
MDL5			0.741			
TM5			0.716			
BSH02		0.764				
BSH06		0.717				
MED02		0.760				
MED06		0.796				
MED07		0.835				
MED10		0.753				
MED11		0.811				
Discussion				1.000		
Task					1.000	
Examination						1.000

Table S3: Validity test average variance extracted (AVE)

	Average variance extracted (AVE)
Self-efficacy	0.753
Reflective thinking	0.605
Self regulated learning	0.621
Discussion	1.000
Task	1.000
Examination	1.000

Table S4: Reliability test

	Cronbach's alpha	rho_A	Composite reliability	Average variance extracted (AVE)
Self efficacy	0.835	0.842	0.901	0.753
Reflective thinking	0.891	0.895	0.914	0.605
Self regulated learning	0.932	0.936	0.942	0.621
Discussion	1.000	1.000	1.000	1.000
Task	1.000	1.000	1.000	1.000
Examination	1.000	1.000	1.000	1.000

Table S5: Hypothesis testing

	original sample	T statistics	P values
Self efficacy → Reflective Thinking	0.256	2.009	0.045
Self Regulated Learning → Self efficacy	0.663	10.263	0.000
Self Regulated Learning → Reflective Thinking	0.428	3.560	0.000