Section S1

Part A

Section A: Instruction: This is a self-administered questionnaire. Kindly answer all questions.

A: Socio-demography and lifestyle practices		
01	Name: _____	CODE
02	Ethnic 1. ☐ Malay 2. ☐ Chinese 3. ☐ Indian 4. ☐ Others, please specify _____	☐
03	Mobile phone no: _____	
04	Gender 1. ☐ Male 2. ☐ Female	☐
05	Age: ____ years	
06	Marital status 1. ☐Single 2. ☐Married	☐
07	Education attaintment 1. ☐ Undergraduate 2. ☐ Postgraduate	☐
08	Living arrangement 1. ☐ Hostel 2. ☐ Outside the campus	☐
09	Smoking habit 1. ☐ Yes 2. ☐ No	☐
10	Habitual exercise 1. ☐ Yes 2. ☐ No	☐
11	Participation in an environmental organization/institution 1. ☐ Yes 2. ☐ No	☐

Section B: Awareness and Understanding

Instruction: Read through all statements carefully. Select the extent of agreement by putting a 'tick' in the provided space.

SA = Strongly agree; A = Agree; DK = Don't know; D = Disagree; SD = Strongly disagree

Item	***5***	***4***	***3***	***2***	***1***
	SA	***A***	***DK***	***D***	***SD***
1. I am aware of the existence of BIOECODS in the campus					
2. BIOECODS is used to manage storm water flow in the campus					
3. BIOECODS is used to prevent and control flood					
4. BIOECODS is used to control water pollution					
5. BIOECODS is used in educating next generation and research					

Section C: Engagement tendency

Instruction: Put a 'tick' in the space that best represents your response to each activity.

Activities	***Frequency***			
	> once per week	***Once per week***	***Once per month***	***Seldom/Never***
Constructed wetland				
Brief visit/relaxing				
Brisk walk				
Running/Exercise				
Sightseeing				
Socializing/Gathering/				

Conversation				
Observing wildlife, flora and bird species				
Research and education				

Section D: Perceived Importance

Instruction: Select the extent of perceived importance provided by the BIOECODS. Put a 'tick' in the provided space.

NI = Not important at all; LI = Less important; N = Neutral; I = Important; VI = Very important

Parameter	***1***	***2***	***3***	***4***	***5***
	NI	***LI***	***N***	***I***	***VI***
Function					
Flood protection					
Mitigating storm water pollution					
Water supply					
Environmental					
Flora and fauna biodiversity					
Water/sight views					
Increase in the amenity					
Improvement of the campus landscape					
Sociological					
Improve lifestyle					

Social interaction					
Social network					
Parameter	***1***	***2***	***3***	***4***	***5***
	NI	***LI***	***N***	***I***	***VI***
Health					
Quality of life					
Sport/relaxing					
Stress relieving					
Centre for recreation and leisure					
Personal development					
Centre for learning					

Section E: Satisfaction level

Instruction: Below is a list of aspects concerning your satisfaction level about the BIOECODS. If you dissatisfied with the aspect, circle D. If you feel somewhat dissatisfied, circle SD. If you are neither satisfied nor dissatisfied, circle N. If you feel somewhat satisfied, circle SS. If you are satisfied, circle S.

Variables	**Dissatisfied**	**Somewhat dissatisfied**	**Neither satisfied nor dissatisfied**	**Somewhat satisfied**	**Satisfied**
Functionality	D	SD	N	SS	S
Physical environment	D	SD	N	SS	S
Facilities	D	SD	N	SS	S
Social environment	D	SD	N	SS	S
Health improvement	D	SD	N	SS	S

Part B

Section A: Depression, Anxiety and Stress Scale (DASS-42)

Instruction: Please read each statement and circle a number 0, 1, 2 or 3 which indicates how Much the statement applied to you *over the past week*. There are no right or wrong answers. Do not spend too much time on any statement.

The rating scale is as follows:
0 Did not apply to me at all
1 Applied to me to some degree, or some of the time
2 Applied to me to a considerable degree, or a good part of time
3 Applied to me very much, or most of the time

1	I found myself getting upset by quite trivial things	0	1	2	3
2	I was aware of dryness of my mouth	0	1	2	3
3	I couldn't seem to experience any positive feeling at all	0	1	2	3
4	I experienced breathing difficulty (eg, excessively rapid breathing, □breathlessness in the absence of physical exertion)	0	1	2	3
5	I just couldn't seem to get going	0	1	2	3
6	I tended to over-react to situations	0	1	2	3
7	I had a feeling of shakiness (eg, legs going to give way)	0	1	2	3
8	I found it difficult to relax	0	1	2	3
9	I found myself in situations that made me so anxious I was most□relieved when they ended	0	1	2	3
10	I felt that I had nothing to look forward to	0	1	2	3
11	I found myself getting upset rather easily	0	1	2	3
12	I felt that I was using a lot of nervous energy	0	1	2	3
13	I felt sad and depressed	0	1	2	3
14	I found myself getting impatient when I was delayed in any way□(eg, lifts, traffic lights, being kept waiting)	0	1	2	3
15	I had a feeling of faintness	0	1	2	3
16	I felt that I had lost interest in just about everything	0	1	2	3
17	I felt I wasn't worth much as a person	0	1	2	3
18	I felt that I was rather touchy	0	1	2	3
19	I perspired noticeably (eg, hands sweaty) in the absence of high□temperatures or physical exertion	0	1	2	3
20	I felt scared without any good reason	0	1	2	3
21	I felt that life wasn't worthwhile	0	1	2	3

22	I found it hard to wind down	0	1	2	3
23	I had difficulty in swallowing	0	1	2	3
24	I couldn't seem to get any enjoyment out of the things I did	0	1	2	3
25	I was aware of the action of my heart in the absence of physical□exertion (eg, sense of heart rate increase, heart missing a beat)	0	1	2	3
26	I felt down-hearted and blue	0	1	2	3
27	I found that I was very irritable	0	1	2	3
28	I felt I was close to panic	0	1	2	3
29	I found it hard to calm down after something upset me	0	1	2	3
30	I feared that I would be "thrown" by some trivial but□unfamiliar task	0	1	2	3
31	I was unable to become enthusiastic about anything	0	1	2	3
32	I found it difficult to tolerate interruptions to what I was doing	0	1	2	3
33	I was in a state of nervous tension	0	1	2	3
34	I felt I was pretty worthless	0	1	2	3
35	I was intolerant of anything that kept me from getting on with□what I was doing	0	1	2	3
36	I felt terrified	0	1	2	3
37	I could see nothing in the future to be hopeful about	0	1	2	3
38	I felt that life was meaningless	0	1	2	3
39	I found myself getting agitated	0	1	2	3
40	I was worried about situations in which I might panic and make□a fool of myself	0	1	2	3
41	I experienced trembling (eg, in the hands)	0	1	2	3
42	I found it difficult to work up the initiative to do things	0	1	2	3

Section B: Rosenberg Self-Esteem Scale

Instruction: Below is a list of statements concerning your general feelings about yourself. If you are strongly agreed with the statement, circle SA. If you agree, circle A. If you disagree, circle D. If you strongly disagree, circle SD.

Statement	**Strongly agree**	**Agree**	**Disagree**	**Strongly disagree**
I feel that I'm a person of worth, at least on an equal plane with others.	SA	A	D	SD

I feel that I have a number of good qualities.	SA	A	D	SD
All in all, I am inclined to feel that I am a failure.	SA	A	D	SD
I am able to do things as well as most other people.	SA	A	D	SD
I feel I do not have much to be proud of.	SA	A	D	SD
I take a positive attitude toward myself.	SA	A	D	SD
On the whole, I am satisfied with myself.	SA	A	D	SD
I wish I could have more respect for myself.	SA	A	D	SD
I certainly feel useless at times.	SA	A	D	SD
At times I think I am no good at all.	SA	A	D	SD

Section S2

Summary of independent variables in the regression analysis.

Variables	Description
Female	= 1 if female
Age	Actual age of the student
Education attainment	= 1 if the student's education level is above university degree
Habitual exercise	= 1 if the student practiced habitual exercise
Engagement tendency	Frequency of engagement
Perceived importance	= 1 if students perceived that ecological wetland is important
Satisfaction	= 1 if students were satisfied with the ecological wetland