

4	Saya yakin dapat memahami materi yang diajarkan guru dengan cepat di kelas.					
5	Saya yakin dapat menerapkan ilmu yang saya pelajari.					
6	Dibandingkan dengan teman-teman sekelas, pemahaman saya tentang mata pelajaran yang dipelajari lebih luas.					
7	Saya suka memilih tugas belajar yang lebih menantang.					
8	Saya yakin bahwa melalui diskusi, saya dapat memahami materi yang diajarkan guru dengan lebih baik.					
9	Saya sering memilih tugas belajar yang sulit tetapi memberikan pengetahuan lebih, meskipun membutuhkan usaha ekstra.					
10	Meskipun nilai ujian saya di suatu mata pelajaran kurang memuaskan, saya tetap dapat menganalisis kelemahan saya dalam belajar mata pelajaran tersebut dengan lancar.					
11	Terlepas dari baik atau buruknya nilai belajar saya, saya tidak pernah meragukan kemampuan belajar saya.					

12	Saat belajar, saya selalu suka menggunakan metode bertanyajawab sendiri untuk memeriksa apakah saya telah menguasai materi yang dipelajari.					
13	Ketika memikirkan suatu masalah, saya dapat menghubungkan pengetahuan yang telah dipelajari sebelumnya dengan pemikiran saya.					
14	Saya sering menemukan diri saya membaca literatur yang berkaitan dengan mata pelajaran ini, namun tidak memahami apa yang dimaksud.					
15	Saat membaca literatur dan buku yang berkaitan dengan mata kuliah ini, saya dapat menghubungkan isi bacaan dengan pengetahuan yang telah saya kuasai untuk memahaminya.					
16	Saya menyadari bahwa saat mengikuti kelas, saya sering melamun sehingga tidak dapat mendengarkan dengan serius.					
17	Saya sering tidak dapat merangkum dengan tepat inti dari isi bacaan.					

18	Saya selalu menandai bagian-bagian penting di buku, literatur, atau catatan untuk membantu proses belajar.					
19	Saat menyelesaikan tugas penilaian mata kuliah ini, saya mampu mengkaitkannya dengan pengetahuan yang telah dipelajari sebelumnya.					
20	Saat membuat catatan di kelas, saya selalu berusaha mencatat setiap kata yang diucapkan guru, terlepas dari apakah itu bermakna atau tidak.					
21	Saat mengerjakan tugas, saya selalu berusaha mengingat kembali apa yang dijelaskan guru di kelas agar dapat menyelesaikan tugas dengan baik.					
22	Meskipun tidak diminta guru, saya secara sukarela mencari literatur terkait untuk dibaca.					

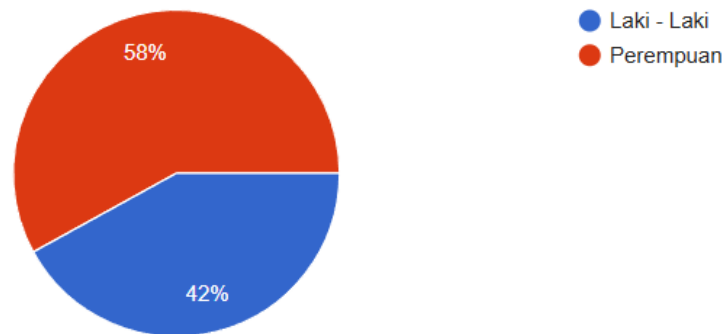
Appendix 2 Respondent Responses

Respondent Identity

Gender : Female 58%, Male 42%

Jenis Kelamin

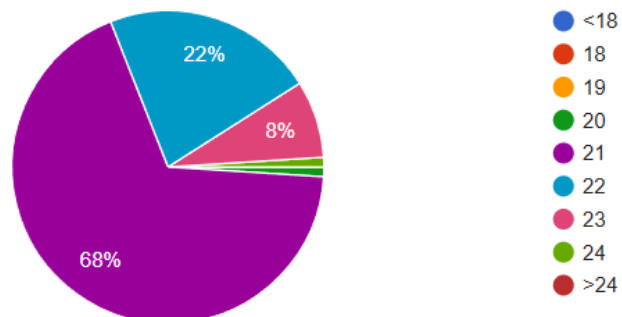
100 responses



Age : 21 Years Old 68%, 22 Years Old 22%, 23 Years Old 8%, 24 Years Old 1%, and 20 Years Old 1%.

Usia

100 responses



Questionnaire Responses

CONSCIENTIOUSNESS

X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11	X12
5	5	1	5	5	2	3	4	1	4	1	5
5	5	1	5	5	1	5	5	1	5	1	5
4	3	3	4	3	4	4	4	4	3	4	4

4	4	2	5	5	4	4	5	3	4	2	4
4	4	3	4	4	4	4	4	4	4	4	4
4	5	3	4	4	3	5	5	3	4	3	5
4	4	1	5	4	3	5	3	3	4	2	5
5	5	5	5	5	4	5	4	4	4	5	5
4	5	2	5	5	4	5	4	2	5	2	5
3	4	3	4	4	4	4	3	3	3	3	4
5	4	3	5	4	4	4	4	4	4	3	4
4	4	4	4	4	4	4	4	4	4	4	4
4	4	2	4	4	4	4	4	3	4	2	4
4	5	1	4	4	2	4	5	2	4	2	5
5	4	1	5	4	1	5	5	2	5	1	5
5	4	2	5	5	1	5	5	2	4	1	5
5	4	2	5	5	1	5	4	3	5	1	4
4	5	2	5	5	1	5	4	2	5	1	5
4	4	1	5	4	3	5	4	2	5	1	4
5	4	1	5	5	1	5	4	2	5	2	4
4	5	2	5	5	3	4	4	3	5	2	4
5	4	2	4	5	1	4	5	2	5	1	5
4	4	1	5	4	2	5	4	2	4	1	4
4	5	2	2	4	1	4	5	2	4	2	3
3	2	4	3	2	4	4	3	4	2	4	2
4	3	3	4	3	3	4	4	3	4	2	3
4	5	2	4	5	2	4	5	2	4	1	3
4	5	2	4	4	2	5	5	3	4	1	4
4	4	2	4	5	2	5	4	1	4	2	5
4	4	1	5	5	2	5	5	2	5	2	4

4	5	2	4	5	1	5	4	2	4	1	5
4	5	2	4	5	2	4	4	2	4	1	4
4	5	2	4	5	2	4	4	1	4	2	4
4	4	3	4	5	4	4	5	4	5	2	4
2	4	3	4	4	3	4	3	4	2	2	4
4	5	2	4	5	2	4	4	2	4	2	4
4	4	4	5	3	2	4	4	2	4	2	4
5	4	1	5	5	1	5	5	1	5	1	5
4	5	2	4	4	2	5	5	3	4	2	5
4	5	2	4	5	2	4	5	2	4	1	4
4	5	3	4	5	4	4	5	3	4	2	4
4	4	3	4	3	4	4	3	3	4	2	4
3	4	5	5	4	3	4	5	4	3	4	5
4	2	5	2	4	4	4	4	3	5	1	3
4	5	2	4	5	3	4	4	2	3	1	3
5	5	1	4	4	3	4	3	3	4	1	4
2	4	2	4	4	2	4	4	2	4	2	5
4	5	5	4	3	4	4	5	4	3	4	3
5	2	4	2	4	5	4	3	4	3	3	5
4	4	2	4	4	2	4	4	2	5	1	5
3	3	4	3	2	3	4	3	2	3	2	3
4	3	3	4	3	3	4	3	4	3	4	3
4	4	2	4	3	2	5	4	4	4	2	4
4	5	2	4	5	2	4	5	2	5	2	4
4	2	4	1	5	2	4	3	2	3	2	3
4	5	2	4	5	2	4	5	2	5	2	5
4	2	3	4	4	2	4	4	2	4	2	4

4	3	4	3	4	3	4	3	4	3	4	4
2	4	3	4	3	5	2	3	3	4	2	4
4	4	2	4	4	2	4	4	2	4	1	4
3	4	3	4	3	4	3	4	3	4	3	4
4	4	2	4	5	2	5	4	1	4	1	4
4	4	3	4	4	3	4	4	2	3	2	3
4	5	1	5	4	4	5	5	2	5	1	3
4	5	1	5	5	1	5	4	2	5	1	5
4	5	3	4	3	2	4	4	1	4	1	4
4	5	3	4	4	5	4	5	4	5	5	5
4	4	2	4	4	2	4	1	4	4	2	4
4	3	4	3	4	3	4	3	4	3	4	3
5	4	2	5	5	2	5	5	2	5	2	5
4	4	2	5	5	3	5	5	1	5	1	5
4	4	2	4	4	2	3	4	2	4	2	4
5	5	1	5	5	1	5	5	1	5	1	5
5	5	1	5	5	1	5	5	4	3	2	5
5	4	3	4	5	4	5	5	4	5	2	4
4	2	4	5	4	5	4	5	5	2	2	5
4	5	1	4	5	2	5	4	2	4	2	5
4	4	2	5	5	2	4	5	2	4	2	4
3	4	3	4	3	4	3	4	3	4	4	4
4	3	3	4	5	5	5	5	4	3	3	3
4	5	2	4	4	2	5	4	2	5	2	4
4	3	2	4	2	4	3	2	3	4	3	2
4	5	2	4	5	3	4	4	2	4	1	4
5	4	2	4	4	2	4	4	2	4	2	5

4	4	2	4	4	3	4	3	2	3	3	4
4	2	4	3	4	3	2	3	2	2	4	2
4	4	3	4	4	4	5	3	4	4	4	5
4	4	2	4	4	1	4	4	2	5	1	4
4	5	2	5	4	1	4	5	2	4	2	5
4	2	4	4	5	2	5	4	2	4	2	4
4	5	3	5	4	3	5	3	2	3	4	4
5	5	1	5	5	1	5	5	1	5	2	5
5	4	2	5	5	1	5	5	2	5	2	5
4	5	2	4	5	1	4	5	1	4	1	4
5	5	1	5	5	1	5	5	1	5	1	5
5	4	1	5	4	1	5	5	2	5	1	3
5	2	5	5	5	2	5	5	2	5	2	5
5	2	5	2	4	2	4	4	2	4	1	4
3	3	3	3	3	3	3	3	3	3	3	3
5	2	2	5	4	3	5	4	2	4	2	5

GROWTH MINDSET

M1.1	M1.2	M1.3	M1.4	M1.5	M1.6	M1.7	M1.8
4	4	4	3	4	4	4	4
4	6	2	2	6	1	4	5
5	5	3	5	3	5	4	4
4	4	3	4	5	4	4	6
4	4	4	4	4	5	4	4
4	3	5	3	6	6	5	5
4	6	4	5	4	6	4	4
4	5	5	5	5	5	4	4

4	4	4	3	4	5	5	4
5	5	3	4	3	4	4	4
5	6	4	5	4	6	4	5
3	3	3	3	3	3	3	3
3	4	2	4	2	5	3	3
2	1	5	2	5	2	5	6
2	1	6	2	5	1	6	5
2	2	6	2	5	1	2	5
2	2	6	1	6	3	5	4
2	3	4	2	6	2	6	6
2	2	5	1	5	1	5	5
1	2	5	2	5	1	5	6
4	4	2	3	3	5	4	4
2	1	5	1	5	2	5	5
2	3	4	2	5	1	5	6
2	3	4	3	5	2	5	4
4	3	4	4	3	4	3	4
3	3	4	3	4	2	5	4
2	3	5	3	5	2	6	5
3	3	4	3	4	3	4	4
2	2	5	2	5	2	5	5
2	2	5	2	5	2	5	5
2	2	5	2	5	2	5	5
2	3	5	3	4	2	5	5
2	1	5	2	5	2	5	5
2	3	4	3	4	5	3	4
4	3	4	3	4	3	4	3

2	2	5	2	5	2	5	5
5	6	5	4	5	5	4	3
5	5	4	4	3	4	4	4
2	3	4	3	4	3	4	5
2	2	5	2	5	2	5	5
3	4	3	4	3	4	3	4
4	5	3	5	3	4	3	3
1	3	5	6	4	3	3	5
4	4	3	4	4	4	3	4
3	3	5	2	5	3	4	6
3	3	5	2	5	2	5	5
2	1	5	2	5	2	5	5
4	5	3	5	4	3	5	2
3	4	3	4	3	4	3	4
2	1	4	2	5	2	5	5
2	5	5	2	5	2	5	5
3	3	4	3	4	3	4	4
4	3	3	3	3	3	3	3
2	3	5	2	5	3	5	4
2	3	4	3	4	3	4	5
2	3	5	2	6	2	5	5
2	3	5	3	4	3	4	4
4	4	3	4	3	3	4	3
2	5	3	2	5	4	3	6
3	3	5	3	5	3	5	4
4	5	4	5	4	5	4	5
1	1	6	1	6	1	6	6

3	3	4	3	4	3	4	4
2	2	4	2	4	3	4	4
6	2	2	2	2	5	2	3
5	5	4	5	1	5	4	4
4	5	5	5	4	4	5	5
2	1	5	2	5	2	5	5
2	2	4	2	4	4	4	4
4	4	4	5	4	4	3	3
4	6	2	6	3	6	3	4
2	2	5	3	5	3	5	5
4	5	5	5	3	3	5	4
2	5	3	5	4	2	4	5
2	5	6	3	5	5	4	5
6	6	6	3	6	5	5	3
2	2	6	2	5	2	5	5
2	3	4	3	5	2	5	5
3	3	4	5	4	5	4	5
5	4	4	6	4	6	4	4
1	2	5	2	5	2	5	5
2	3	4	3	4	4	5	3
2	3	4	2	5	3	5	5
3	3	4	3	4	3	4	4
3	2	4	3	5	3	5	5
3	2	4	3	2	5	3	5
3	3	5	3	5	3	5	5
2	3	5	2	5	2	5	5
3	2	4	3	5	3	5	5

3	3	4	3	5	2	5	5
1	1	6	1	6	1	6	6
1	1	6	1	6	1	6	6
1	2	5	1	5	1	6	5
2	1	6	1	5	1	6	5
1	1	5	1	6	2	6	6
1	1	5	1	6	2	6	5
2	1	6	2	6	1	5	6
1	1	6	1	6	2	6	5
3	3	4	3	4	3	4	4
3	2	6	2	5	2	5	6

GRIT

M2.1	M2.2	M2.3	M2.4	M2.5	M2.6	M2.7	M2.8
3	5	3	3	3	2	4	5
2	5	5	5	2	4	5	5
3	3	4	3	4	4	4	4
4	4	5	4	4	2	5	5
3	4	4	4	3	4	4	4
4	1	5	4	3	2	3	3
2	5	4	4	3	3	4	4
5	5	2	4	3	2	5	4
3	4	3	5	3	4	5	5
4	3	5	3	4	3	3	3
4	5	4	5	4	4	5	4
3	5	3	5	3	3	5	4
4	4	4	4	4	4	3	4

1	4	2	5	1	2	5	5
1	4	2	5	1	2	5	5
1	5	2	5	2	1	5	5
1	5	2	4	1	2	4	5
1	5	2	5	2	1	4	5
2	4	3	5	1	2	4	5
2	4	2	5	1	2	4	5
3	2	3	4	2	2	5	5
2	4	2	5	1	2	4	5
2	5	1	4	2	1	4	5
2	3	2	4	4	2	4	4
4	3	4	2	3	4	3	2
2	4	2	4	2	4	3	3
1	3	1	4	5	3	4	4
2	5	2	5	1	2	4	5
2	4	2	4	2	1	4	4
2	4	2	5	1	2	4	5
2	4	2	5	3	1	4	4
2	5	2	4	2	2	4	5
2	4	2	5	2	2	4	5
2	4	2	3	4	2	3	4
4	2	4	2	3	3	4	3
2	4	2	4	2	2	4	4
4	4	3	4	2	4	4	4
4	4	4	4	4	2	4	4
2	4	2	4	2	2	5	4
2	4	2	4	2	2	4	4

2	4	3	4	3	3	4	4
4	4	3	5	4	4	3	5
2	4	3	4	2	2	4	4
2	4	2	4	2	3	4	4
1	4	4	5	3	3	4	5
2	4	2	4	2	2	4	4
5	2	4	4	2	2	4	4
2	4	3	3	4	5	4	3
3	3	3	3	3	3	3	3
1	4	2	4	2	2	4	4
2	4	3	3	4	2	4	4
3	4	3	4	3	4	3	4
4	4	2	5	4	4	4	3
4	2	4	3	4	4	4	3
3	4	2	4	4	4	4	4
2	4	2	4	2	2	5	4
2	5	3	5	2	1	4	5
4	3	4	3	4	3	4	4
1	5	2	4	2	2	5	3
1	4	3	4	3	4	4	5
3	4	3	4	3	4	3	4
1	5	1	5	1	1	5	5
2	4	2	4	2	2	4	4
3	4	2	5	2	4	5	5
2	5	1	5	2	1	5	5
4	5	3	3	1	1	4	3
5	4	4	5	5	4	5	4

2	5	1	4	2	2	4	4
3	4	3	4	3	4	3	4
4	3	3	5	3	2	5	5
5	3	5	5	4	4	4	4
3	4	2	4	3	2	4	5
3	5	3	5	1	1	5	5
2	4	4	2	4	3	3	4
4	5	5	4	4	3	4	4
4	4	4	4	4	4	5	1
1	4	2	4	2	2	4	4
2	4	2	4	2	2	4	5
3	4	3	4	3	4	3	4
4	4	4	3	5	4	3	4
1	4	2	5	2	3	4	5
2	4	2	5	2	2	5	5
2	5	1	4	2	3	4	4
4	3	3	4	3	3	4	5
5	4	2	4	2	3	4	5
1	4	2	3	1	4	2	4
2	4	2	5	2	3	4	5
2	4	2	5	2	3	5	4
2	4	2	4	2	2	5	4
2	4	2	4	2	1	3	5
3	4	2	4	4	3	2	4
1	5	1	5	2	2	5	5
2	5	1	4	2	1	5	5
1	5	1	5	2	2	5	5

1	4	1	5	2	1	4	5
1	5	2	5	2	1	5	5
1	5	2	5	2	1	4	5
2	4	2	5	2	1	4	5
3	3	3	3	3	3	3	3
2	5	3	5	3	3	5	5

ACADEMIC SELF-EFFICACY

Y 1	Y 2	Y 3	Y 4	Y 5	Y 6	Y 7	Y 8	Y 9	Y 10	Y 11	Y 12	Y 13	Y 14	Y 15	Y 16	Y 17	Y 18	Y 19	Y 20	Y 21	Y 22
5	5	3	3	3	3	3	3	4	5	5	5	4	4	4	3	2	5	4	3	4	3
4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1	5	5	5	5	5	5
4	4	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	4	5	4	4	4	3	4	5	2	5	4	2	4	3	4	2	5	4	3	3	2
4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4
4	5	3	3	4	4	1	3	2	3	3	3	5	2	3	3	3	2	4	3	4	4
5	5	5	4	4	3	2	5	4	5	4	3	4	4	3	4	3	1	4	1	4	2
4	4	3	4	3	4	4	4	4	5	4	2	4	4	4	3	2	4	4	2	4	2
4	4	3	3	4	3	2	4	2	4	5	5	4	3	4	2	2	4	4	5	4	4
4	4	3	4	4	3	3	4	3	3	4	3	4	3	4	3	2	4	4	2	4	3
4	4	3	4	4	4	4	5	4	4	4	5	5	4	4	5	4	5	5	3	3	4
3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	4	3	3	4	3	2	4	3	4	3	4	4	4	4	3	3	4	4	4	4	3
5	5	5	5	4	4	5	5	4	5	5	5	5	2	5	2	1	5	5	2	5	5
4	5	5	4	5	4	5	4	4	5	4	5	4	2	5	1	1	5	4	2	5	4
5	4	5	4	5	5	4	5	4	5	4	5	5	2	5	1	1	5	4	2	5	4
5	4	5	5	4	4	4	5	5	5	4	5	4	1	5	1	3	5	5	3	4	3

5	5	4	5	3	5	4	5	4	5	4	5	3	2	4	2	1	4	5	3	4	3
5	4	3	4	4	5	4	3	4	4	4	5	3	2	4	1	2	4	4	1	5	4
4	3	4	5	4	4	3	4	5	4	4	3	5	2	4	1	2	3	4	2	4	3
4	4	3	4	4	3	2	3	3	3	3	2	4	4	3	3	2	3	4	2	4	2
4	3	5	5	3	4	4	5	4	4	4	5	4	2	3	1	2	4	5	2	4	5
4	3	5	5	4	5	4	5	4	5	5	4	5	2	4	1	2	3	4	2	4	4
4	3	5	4	4	3	3	4	4	4	4	2	4	2	3	2	3	3	4	2	5	3
2	3	4	3	2	2	2	3	4	3	2	1	2	4	3	4	2	2	4	2	3	1
2	3	4	3	2	3	3	4	3	2	3	2	3	3	2	4	3	2	4	3	4	2
4	4	5	3	4	4	5	3	4	4	3	4	4	2	3	2	1	3	4	4	4	5
5	4	5	4	4	5	4	4	5	4	5	4	4	2	4	1	2	5	4	2	4	5
4	4	5	4	5	4	4	5	4	5	3	4	4	2	4	2	2	4	4	2	4	4
5	4	4	5	5	4	4	5	4	5	5	5	4	2	5	2	2	4	5	3	4	5
5	4	4	5	3	4	4	5	4	4	3	4	4	2	4	2	3	5	4	2	4	3
4	5	4	4	5	5	3	3	4	3	4	3	4	3	4	2	3	4	4	2	4	3
4	5	4	3	4	4	5	5	4	4	4	3	4	2	4	1	2	4	3	2	4	4
4	4	3	4	5	4	4	3	4	3	4	2	4	3	4	2	4	3	4	3	4	2
2	3	2	4	2	5	1	4	2	2	4	2	3	2	4	3	3	2	3	2	4	4
4	5	4	5	4	5	4	3	4	5	4	3	4	3	4	2	3	5	4	1	4	4
4	4	2	3	4	2	2	5	2	4	4	4	4	4	3	4	3	5	4	1	4	2
4	4	3	4	4	3	2	4	2	4	4	4	4	2	4	2	2	4	4	4	4	4
4	4	5	4	4	5	4	4	4	4	3	3	4	3	4	2	2	4	4	4	5	3
4	4	5	4	5	4	4	5	4	3	4	4	4	2	4	2	2	4	4	3	4	3
3	4	3	4	4	4	4	4	5	3	4	2	4	3	4	4	3	4	2	3	3	4
4	4	3	3	4	2	4	2	3	2	4	4	5	2	4	4	4	4	2	4	4	4
3	4	4	5	4	5	5	4	4	5	4	2	4	3	4	2	3	4	4	4	4	4
4	4	3	4	4	5	3	4	4	3	3	4	3	2	3	2	2	4	3	4	4	4

4	5	4	4	5	4	4	4	4	4	5	4	4	2	3	1	2	3	4	4	4	2
4	3	5	4	3	4	4	5	3	4	5	3	3	2	4	1	3	4	4	3	4	4
4	4	4	5	3	4	4	3	4	4	4	3	4	2	4	2	1	4	3	3	4	3
4	3	4	2	4	5	4	4	4	3	4	5	5	4	3	4	5	4	3	4	4	3
4	4	4	3	4	4	5	4	3	4	3	3	4	3	3	4	4	3	3	2	4	4
4	5	4	4	4	3	4	5	4	4	4	4	5	2	4	2	2	4	4	3	4	3
3	4	5	3	2	4	4	2	2	4	4	3	4	2	3	3	3	3	2	3	2	3
4	3	4	3	4	3	3	4	3	3	4	4	3	3	3	4	3	4	3	4	3	4
5	5	3	3	3	3	1	4	4	4	4	4	4	3	4	4	3	4	4	4	4	4
4	3	4	2	4	4	5	4	3	4	2	2	4	3	4	3	2	3	4	2	4	2
4	3	2	3	3	4	3	2	3	4	5	4	3	2	3	4	3	2	3	4	3	4
4	5	4	3	5	4	4	4	4	5	4	4	3	2	4	2	2	4	4	3	4	3
4	4	4	5	5	4	3	4	4	5	4	4	4	2	3	2	4	2	4	3	4	4
4	3	2	4	4	4	3	4	4	5	4	4	3	3	3	3	3	4	3	3	3	4
2	5	4	3	2	4	2	4	1	3	4	1	2	4	1	2	5	4	2	4	4	1
4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	2	2	4	5	3	4	4
3	4	3	4	3	4	3	4	4	3	4	3	4	3	4	3	4	3	4	3	4	3
5	5	5	5	5	5	5	5	5	5	5	5	5	1	5	1	1	5	5	1	5	5
4	4	4	4	4	4	4	4	4	4	4	4	4	2	4	2	2	4	4	2	4	3
4	3	4	5	4	4	3	4	5	4	3	4	5	2	4	1	2	4	5	3	4	2
5	5	5	5	4	4	4	5	5	5	2	4	4	4	4	1	1	5	5	5	5	4
5	5	4	5	3	3	3	4	1	4	4	5	4	3	4	2	2	5	4	4	5	3
4	5	3	4	4	3	4	4	4	5	4	5	4	5	4	5	4	4	3	4	4	4
4	5	4	3	4	5	4	3	4	5	4	4	4	1	4	2	2	4	4	2	4	5
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	5	3	4	5
5	5	4	4	4	4	4	4	4	4	5	5	5	4	5	3	4	4	4	4	4	4
4	4	3	4	5	3	4	5	3	5	4	4	4	4	4	3	3	5	5	5	4	4

4	5	4	3	4	4	5	4	3	4	5	4	3	2	3	2	2	4	4	3	4	3
5	5	4	4	5	4	4	5	4	5	5	4	4	2	3	1	1	5	5	5	5	5
4	2	3	2	4	4	4	3	4	4	2	3	4	3	2	4	2	3	5	2	4	3
4	4	2	5	4	3	5	3	4	4	3	4	5	4	4	2	3	4	5	5	4	4
2	5	3	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4
4	5	4	4	4	3	5	4	2	4	4	4	4	2	4	2	1	4	4	2	4	4
3	4	5	4	3	3	4	5	4	3	4	5	4	2	4	3	2	4	3	2	4	4
4	4	5	4	3	4	3	4	3	4	3	4	3	4	3	4	3	3	4	3	4	3
4	3	2	2	3	2	2	4	3	4	4	4	4	4	4	4	4	4	4	5	4	2
4	3	3	5	4	2	3	4	2	4	4	1	4	2	3	1	2	4	4	3	5	3
4	5	4	5	4	5	5	4	5	4	5	4	5	2	4	2	3	4	4	1	4	3
3	4	5	4	5	5	4	3	3	4	3	2	4	2	4	2	1	4	5	3	4	2
4	3	4	4	4	5	2	3	4	4	3	4	3	4	4	3	3	4	4	4	3	3
4	3	5	5	4	4	4	3	4	4	5	4	4	2	4	2	2	4	3	3	4	4
4	3	4	5	4	3	3	4	2	4	2	4	1	3	2	4	2	4	2	5	3	4
5	4	3	3	4	4	3	2	3	2	4	3	2	3	4	2	3	4	4	2	4	4
4	4	4	3	4	4	5	4	2	3	4	4	3	4	3	3	2	4	3	2	3	4
4	4	4	3	5	4	3	4	3	3	3	3	3	4	3	4	5	2	4	2	4	4
4	3	3	2	4	4	2	2	3	2	4	4	3	4	3	4	4	3	2	4	4	4
5	5	4	5	5	4	4	5	4	5	5	5	5	1	5	2	1	5	5	1	5	5
5	4	5	5	4	4	4	5	5	5	4	4	5	4	5	1	1	5	5	1	5	5
5	5	4	5	5	4	5	5	4	4	4	5	5	2	5	1	2	5	5	5	4	5
5	5	4	4	4	5	5	5	5	5	4	4	5	2	5	1	2	5	5	2	5	5
4	5	5	5	5	5	4	5	5	5	5	5	5	1	5	1	2	5	5	1	5	4
5	4	5	5	5	5	5	4	5	5	5	5	5	2	5	1	2	5	5	2	5	5
5	4	4	5	5	4	5	5	4	5	5	4	5	2	5	1	1	5	4	2	4	5
4	5	5	5	4	4	5	4	5	5	4	5	5	1	4	2	4	5	5	1	5	4

4	4	3	3	3	3	3	4	3	3	3	4	3	2	3	3	3	3	4	3	3	3
4	3	4	3	3	4	5	5	5	5	4	4	3	4	5	3	2	3	5	2	4	5

Appendix 3 Descriptive Test

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
X1	100	2	5	4.11	.650
X2	100	2	5	4.06	.952
X3	100	1	5	3.56	1.104
X4	100	1	5	4.18	.796
X5	100	2	5	4.25	.783
X6	100	1	5	3.42	1.174
X7	100	2	5	4.29	.671
X8	100	1	5	4.14	.817
X9	100	1	5	3.48	.990
X10	100	2	5	4.05	.796
X11	100	1	5	3.91	1.055
X12	100	2	5	4.15	.783
Valid N (listwise)	100				

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
M1.1	100	1.0	5.0	3.552	.9628
M1.2	100	1.0	5.0	3.336	1.1409
M1.3	100	1.8	5.0	3.696	.8251
M1.4	100	1.0	5.0	3.456	1.0313
M1.5	100	1.0	5.0	3.760	.8307
M1.6	100	1.0	5.0	3.352	1.1246
M1.7	100	1.8	5.0	3.768	.7493
M1.8	100	1.8	5.0	3.856	.7124
Valid N (listwise)	100				

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
M2.1	100	1	5	3.49	1.150
M2.2	100	1	5	4.05	.796
M2.3	100	1	5	3.36	1.059
M2.4	100	2	5	4.18	.770
M2.5	100	1	5	3.40	1.035
M2.6	100	1	5	3.44	1.057
M2.7	100	2	5	4.08	.720
M2.8	100	1	5	4.27	.777
Valid N (listwise)	100				

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Y1	100	2	5	4.07	.714
Y2	100	2	5	4.09	.753
Y3	100	2	5	3.90	.870
Y4	100	2	5	3.95	.869
Y5	100	2	5	3.93	.769
Y6	100	2	5	3.89	.803
Y7	100	1	5	3.66	1.017
Y8	100	2	5	4.03	.822
Y9	100	1	5	3.69	.929
Y10	100	2	5	4.02	.864
Y11	100	2	5	3.93	.769
Y12	100	1	5	3.78	1.021
Y13	100	1	5	3.93	.820
Y14	100	1	5	3.23	1.014
Y15	100	1	5	3.80	.778
Y16	100	1	5	3.54	1.132
Y17	100	1	5	3.46	1.029
Y18	100	1	5	3.90	.893
Y19	100	2	5	3.99	.798
Y20	100	1	5	3.13	1.125
Y21	100	2	5	4.04	.585
Y22	100	1	5	3.60	.974
Valid N (listwise)	100				

Appendix 4 Validity and Reliability Test

CONSCIENTIOUSNESS (X)

		X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11	X12
X1	Pearson Correlation	1	.055	.251*	.274**	.442**	.363**	.459**	.332**	.216*	.419**	.250*	.305**
	Sig. (2-tailed)		.590	.012	.006	.000	.000	.000	.001	.031	.000	.012	.002
	N	100	100	100	100	100	100	100	100	100	100	100	100
X2	Pearson Correlation	.055	1	.554**	.412**	.346**	.294**	.210*	.353**	.280**	.369**	.237*	.327**
	Sig. (2-tailed)	.590		.000	.000	.000	.003	.036	.000	.005	.000	.018	.001
	N	100	100	100	100	100	100	100	100	100	100	100	100
X3	Pearson Correlation	.251*	.554**	1	.482**	.350**	.518**	.324**	.226*	.500**	.474**	.564**	.299**
	Sig. (2-tailed)	.012	.000		.000	.000	.000	.001	.024	.000	.000	.000	.003
	N	100	100	100	100	100	100	100	100	100	100	100	100
X4	Pearson Correlation	.274**	.412**	.482**	1	.300**	.221*	.431**	.380**	.184	.400**	.188	.475**
	Sig. (2-tailed)	.006	.000	.000		.002	.027	.000	.000	.067	.000	.061	.000
	N	100	100	100	100	100	100	100	100	100	100	100	100
X5	Pearson Correlation	.442**	.346**	.350**	.300**	1	.401**	.437**	.482**	.378**	.417**	.394**	.449**
	Sig. (2-tailed)	.000	.000	.000	.002		.000	.000	.000	.000	.000	.000	.000
	N	100	100	100	100	100	100	100	100	100	100	100	100
X6	Pearson Correlation	.363**	.294**	.518**	.221*	.401**	1	.357**	.286**	.660**	.388**	.586**	.293**
	Sig. (2-tailed)	.000	.003	.000	.027	.000		.000	.004	.000	.000	.000	.003
	N	100	100	100	100	100	100	100	100	100	100	100	100
X7	Pearson Correlation	.459**	.210*	.324**	.431**	.357**	.367**	1	.367**	.169	.407**	.265**	.435**
	Sig. (2-tailed)	.000	.036	.001	.000	.000			.000	.094	.000	.008	.000
	N	100	100	100	100	100	100	100	100	100	100	100	100
X8	Pearson Correlation	.332**	.353**	.226*	.380**	.482**	.286**	.367**	1	.253*	.440**	.296**	.362**
	Sig. (2-tailed)	.001	.000	.024	.000	.000	.004	.000		.011	.000	.003	.000
	N	100	100	100	100	100	100	100	100	100	100	100	100
X9	Pearson Correlation	.216*	.280**	.500**	.184	.378**	.660**	.169	.253*	1	.431**	.632**	.193
	Sig. (2-tailed)	.031	.005	.000	.067	.000	.000	.094	.011		.000	.000	.055
	N	100	100	100	100	100	100	100	100	100	100	100	100
X10	Pearson Correlation	.419**	.369**	.474**	.400**	.417**	.388**	.407**	.440**	.431**	1	.474**	.409**
	Sig. (2-tailed)	.000	.000	.000	.000	.000	.000	.000	.000	.000		.000	.000
	N	100	100	100	100	100	100	100	100	100	100	100	100
X11	Pearson Correlation	.250*	.237*	.564**	.188	.394**	.586**	.265**	.296**	.632**	.474**	1	.188
	Sig. (2-tailed)	.012	.018	.000	.061	.000	.000	.008	.003	.000	.000		.062
	N	100	100	100	100	100	100	100	100	100	100	100	100
X12	Pearson Correlation	.305**	.327**	.299**	.475**	.449**	.293**	.435**	.362**	.193	.409**	.188	1
	Sig. (2-tailed)	.002	.001	.003	.000	.000	.003	.000	.000	.055	.000	.062	
	N	100	100	100	100	100	100	100	100	100	100	100	100

*. Correlation is significant at the 0.05 level (2-tailed).

**. Correlation is significant at the 0.01 level (2-tailed).

Reliability Statistics	
Cronbach's Alpha	N of Items
.869	12

GROWTH MINDSET (M1)

		Correlations							
		M1.1	M1.2	M1.3	M1.4	M1.5	M1.6	M1.7	M1.8
M1.1	Pearson Correlation	1	.698**	.504**	.642**	.545**	.711**	.495**	.586**
	Sig. (2-tailed)		.000	.000	.000	.000	.000	.000	.000
	N	100	100	100	100	100	100	100	100
M1.2	Pearson Correlation	.698**	1	.501**	.739**	.420**	.648**	.459**	.450**
	Sig. (2-tailed)	.000		.000	.000	.000	.000	.000	.000
	N	100	100	100	100	100	100	100	100
M1.3	Pearson Correlation	.504**	.501**	1	.497**	.654**	.468**	.617**	.472**
	Sig. (2-tailed)	.000	.000		.000	.000	.000	.000	.000
	N	100	100	100	100	100	100	100	100
M1.4	Pearson Correlation	.642**	.739**	.497**	1	.618**	.699**	.542**	.475**
	Sig. (2-tailed)	.000	.000	.000		.000	.000	.000	.000
	N	100	100	100	100	100	100	100	100
M1.5	Pearson Correlation	.545**	.420**	.654**	.618**	1	.558**	.689**	.594**
	Sig. (2-tailed)	.000	.000	.000	.000		.000	.000	.000
	N	100	100	100	100	100	100	100	100
M1.6	Pearson Correlation	.711**	.648**	.468**	.699**	.558**	1	.574**	.504**
	Sig. (2-tailed)	.000	.000	.000	.000	.000		.000	.000
	N	100	100	100	100	100	100	100	100
M1.7	Pearson Correlation	.495**	.459**	.617**	.542**	.689**	.574**	1	.482**
	Sig. (2-tailed)	.000	.000	.000	.000	.000	.000		.000
	N	100	100	100	100	100	100	100	100
M1.8	Pearson Correlation	.586**	.450**	.472**	.475**	.594**	.504**	.482**	1
	Sig. (2-tailed)	.000	.000	.000	.000	.000	.000	.000	
	N	100	100	100	100	100	100	100	100

**, Correlation is significant at the 0.01 level (2-tailed).

Reliability Statistics	
Cronbach's Alpha	N of Items
.909	8

GRIT (M2)

		Correlations							
		M2.1	M2.2	M2.3	M2.4	M2.5	M2.6	M2.7	M2.8
M2.1	Pearson Correlation	1	.403**	.625**	.276**	.521**	.419**	.135	.382**
	Sig. (2-tailed)		.000	.000	.006	.000	.000	.180	.000
	N	100	100	100	100	100	100	100	100
M2.2	Pearson Correlation	.403**	1	.398**	.380**	.319**	.274**	.310**	.370**
	Sig. (2-tailed)	.000		.000	.000	.001	.006	.002	.000
	N	100	100	100	100	100	100	100	100
M2.3	Pearson Correlation	.625**	.398**	1	.316**	.531**	.480**	.174	.360**
	Sig. (2-tailed)	.000	.000		.001	.000	.000	.084	.000
	N	100	100	100	100	100	100	100	100
M2.4	Pearson Correlation	.276**	.380**	.316**	1	.365**	.261**	.502**	.593**
	Sig. (2-tailed)	.006	.000	.001		.000	.009	.000	.000
	N	100	100	100	100	100	100	100	100
M2.5	Pearson Correlation	.521**	.319**	.531**	.365**	1	.539**	.241*	.417**
	Sig. (2-tailed)	.000	.001	.000	.000		.000	.016	.000
	N	100	100	100	100	100	100	100	100
M2.6	Pearson Correlation	.419**	.274**	.480**	.261**	.539**	1	.298**	.420**
	Sig. (2-tailed)	.000	.006	.000	.009	.000		.003	.000
	N	100	100	100	100	100	100	100	100
M2.7	Pearson Correlation	.135	.310**	.174	.502**	.241*	.298**	1	.304**
	Sig. (2-tailed)	.180	.002	.084	.000	.016	.003		.002
	N	100	100	100	100	100	100	100	100
M2.8	Pearson Correlation	.382**	.370**	.360**	.593**	.417**	.420**	.304**	1
	Sig. (2-tailed)	.000	.000	.000	.000	.000	.000	.002	
	N	100	100	100	100	100	100	100	100

** . Correlation is significant at the 0.01 level (2-tailed).

* . Correlation is significant at the 0.05 level (2-tailed).

Reliability Statistics	
Cronbach's Alpha	N of Items
.829	8

ACADEMIC SELF-EFFICACY (Y)

Correlations

		Y1	Y2	Y3	Y4	Y5	Y6
Y1	Pearson Correlation	1	.270**	.206*	.282**	.432**	.137
	Sig. (2-tailed)		.007	.039	.004	.000	.174
	N	100	100	100	100	100	100
Y2	Pearson Correlation	.270**	1	.168	.238*	.273**	.167
	Sig. (2-tailed)	.007		.095	.017	.006	.097
	N	100	100	100	100	100	100
Y3	Pearson Correlation	.206*	.168	1	.367**	.216*	.374**
	Sig. (2-tailed)	.039	.095		.000	.031	.000
	N	100	100	100	100	100	100
Y4	Pearson Correlation	.282**	.238*	.367**	1	.267**	.282**
	Sig. (2-tailed)	.004	.017	.000		.007	.005
	N	100	100	100	100	100	100
Y5	Pearson Correlation	.432**	.273**	.216*	.267**	1	.282**
	Sig. (2-tailed)	.000	.006	.031	.007		.004
	N	100	100	100	100	100	100
Y6	Pearson Correlation	.137	.167	.374**	.282**	.282**	1
	Sig. (2-tailed)	.174	.097	.000	.005	.004	
	N	100	100	100	100	100	100
Y7	Pearson Correlation	.228*	.251*	.440**	.301**	.370**	.374**
	Sig. (2-tailed)	.023	.012	.000	.002	.000	.000
	N	100	100	100	100	100	100
Y8	Pearson Correlation	.272**	.224*	.357**	.412**	.227*	.097
	Sig. (2-tailed)	.006	.025	.000	.000	.023	.338
	N	100	100	100	100	100	100
Y9	Pearson Correlation	.353**	.112	.386**	.394**	.323**	.428**
	Sig. (2-tailed)	.000	.265	.000	.000	.001	.000
	N	100	100	100	100	100	100
Y10	Pearson Correlation	.423**	.323**	.312**	.459**	.337**	.251*
	Sig. (2-tailed)	.000	.001	.002	.000	.001	.012
	N	100	100	100	100	100	100
Y11	Pearson Correlation	.303**	.307**	.125	.267**	.214*	.200*
	Sig. (2-tailed)	.002	.002	.214	.007	.033	.046
	N	100	100	100	100	100	100

Correlations

		Y7	Y8	Y9	Y10	Y11	Y12
Y1	Pearson Correlation	.228 [*]	.272 ^{***}	.353 ^{***}	.423 ^{***}	.303 ^{***}	.562 ^{***}
	Sig. (2-tailed)	.023	.006	.000	.000	.002	.000
	N	100	100	100	100	100	100
Y2	Pearson Correlation	.251 [*]	.224 [*]	.112	.323 ^{***}	.307 ^{***}	.315 ^{***}
	Sig. (2-tailed)	.012	.025	.265	.001	.002	.001
	N	100	100	100	100	100	100
Y3	Pearson Correlation	.440 ^{***}	.357 ^{***}	.386 ^{***}	.312 ^{***}	.125	.191
	Sig. (2-tailed)	.000	.000	.000	.002	.214	.057
	N	100	100	100	100	100	100
Y4	Pearson Correlation	.301 ^{***}	.412 ^{***}	.394 ^{***}	.459 ^{***}	.267 ^{***}	.249 [*]
	Sig. (2-tailed)	.002	.000	.000	.000	.007	.012
	N	100	100	100	100	100	100
Y5	Pearson Correlation	.370 ^{***}	.227 [*]	.323 ^{***}	.337 ^{***}	.214 [*]	.315 ^{***}
	Sig. (2-tailed)	.000	.023	.001	.001	.033	.001
	N	100	100	100	100	100	100
Y6	Pearson Correlation	.374 ^{***}	.097	.428 ^{***}	.251 [*]	.200 [*]	.167
	Sig. (2-tailed)	.000	.338	.000	.012	.046	.096
	N	100	100	100	100	100	100
Y7	Pearson Correlation	1	.278 ^{***}	.433 ^{***}	.433 ^{***}	.215 [*]	.297 ^{***}
	Sig. (2-tailed)		.005	.000	.000	.032	.003
	N	100	100	100	100	100	100
Y8	Pearson Correlation	.278 ^{***}	1	.290 ^{***}	.468 ^{***}	.211 [*]	.345 ^{***}
	Sig. (2-tailed)	.005		.003	.000	.035	.000
	N	100	100	100	100	100	100
Y9	Pearson Correlation	.433 ^{***}	.290 ^{***}	1	.398 ^{***}	.196	.300 ^{***}
	Sig. (2-tailed)	.000	.003		.000	.051	.002
	N	100	100	100	100	100	100
Y10	Pearson Correlation	.433 ^{***}	.468 ^{***}	.398 ^{***}	1	.245 [*]	.406 ^{***}
	Sig. (2-tailed)	.000	.000	.000		.014	.000
	N	100	100	100	100	100	100
Y11	Pearson Correlation	.215 [*]	.211 [*]	.196	.245 [*]	1	.392 ^{***}
	Sig. (2-tailed)	.032	.035	.051	.014		.000
	N	100	100	100	100	100	100

Correlations

		Y13	Y14	Y15	Y16	Y17	Y18
Y1	Pearson Correlation	.302**	.159	.443**	.340**	.341**	.470**
	Sig. (2-tailed)	.002	.114	.000	.001	.001	.000
	N	100	100	100	100	100	100
Y2	Pearson Correlation	.288**	.078	.324**	.250*	.102	.374**
	Sig. (2-tailed)	.004	.438	.001	.012	.311	.000
	N	100	100	100	100	100	100
Y3	Pearson Correlation	.174	.278**	.224*	.435**	.311**	.208*
	Sig. (2-tailed)	.083	.005	.025	.000	.002	.038
	N	100	100	100	100	100	100
Y4	Pearson Correlation	.350**	.265**	.448**	.541**	.297**	.397**
	Sig. (2-tailed)	.000	.008	.000	.000	.003	.000
	N	100	100	100	100	100	100
Y5	Pearson Correlation	.393**	.189	.381**	.357**	.182	.328**
	Sig. (2-tailed)	.000	.059	.000	.000	.071	.001
	N	100	100	100	100	100	100
Y6	Pearson Correlation	.157	.242*	.288**	.433**	.135	.168
	Sig. (2-tailed)	.119	.015	.004	.000	.180	.096
	N	100	100	100	100	100	100
Y7	Pearson Correlation	.371**	.243*	.423**	.389**	.267**	.407**
	Sig. (2-tailed)	.000	.015	.000	.000	.007	.000
	N	100	100	100	100	100	100
Y8	Pearson Correlation	.288**	.076	.357**	.308**	.222*	.375**
	Sig. (2-tailed)	.004	.449	.000	.002	.026	.000
	N	100	100	100	100	100	100
Y9	Pearson Correlation	.396**	.130	.500**	.305**	.161	.279**
	Sig. (2-tailed)	.000	.197	.000	.002	.109	.005
	N	100	100	100	100	100	100
Y10	Pearson Correlation	.401**	.146	.471**	.412**	.330**	.395**
	Sig. (2-tailed)	.000	.151	.000	.000	.001	.000
	N	100	100	100	100	100	100
Y11	Pearson Correlation	.297**	.228*	.398**	.299**	.041	.343**
	Sig. (2-tailed)	.003	.022	.000	.002	.685	.000
	N	100	100	100	100	100	100

		Correlations			
		Y19	Y20	Y21	Y22
Y1	Pearson Correlation	.409**	.102	.380**	.374**
	Sig. (2-tailed)	.000	.314	.000	.000
	N	100	100	100	100
Y2	Pearson Correlation	.220*	.046	.336**	.173
	Sig. (2-tailed)	.028	.652	.001	.085
	N	100	100	100	100
Y3	Pearson Correlation	.246*	.251*	.306**	.167
	Sig. (2-tailed)	.014	.012	.002	.097
	N	100	100	100	100
Y4	Pearson Correlation	.407**	.131	.362**	.286**
	Sig. (2-tailed)	.000	.195	.000	.004
	N	100	100	100	100
Y5	Pearson Correlation	.345**	.046	.366**	.340**
	Sig. (2-tailed)	.000	.652	.000	.001
	N	100	100	100	100
Y6	Pearson Correlation	.203*	.229*	.203*	.305**
	Sig. (2-tailed)	.042	.022	.043	.002
	N	100	100	100	100
Y7	Pearson Correlation	.282**	.180	.261**	.412**
	Sig. (2-tailed)	.004	.073	.009	.000
	N	100	100	100	100
Y8	Pearson Correlation	.463**	.127	.355**	.242*
	Sig. (2-tailed)	.000	.209	.000	.015
	N	100	100	100	100
Y9	Pearson Correlation	.446**	.242*	.265**	.263**
	Sig. (2-tailed)	.000	.015	.008	.008
	N	100	100	100	100
Y10	Pearson Correlation	.513**	.122	.398**	.357**
	Sig. (2-tailed)	.000	.227	.000	.000
	N	100	100	100	100
Y11	Pearson Correlation	.098	.104	.209*	.340**
	Sig. (2-tailed)	.334	.303	.037	.001
	N	100	100	100	100



Correlations

		Y1	Y2	Y3	Y4	Y5	Y6
Y12	Pearson Correlation	.562 ^{**}	.315 ^{**}	.191	.249 [*]	.315 ^{**}	.167
	Sig. (2-tailed)	.000	.001	.057	.012	.001	.096
	N	100	100	100	100	100	100
Y13	Pearson Correlation	.302 ^{**}	.288 ^{**}	.174	.350 ^{**}	.393 ^{**}	.157
	Sig. (2-tailed)	.002	.004	.083	.000	.000	.119
	N	100	100	100	100	100	100
Y14	Pearson Correlation	.159	.078	.278 ^{**}	.265 ^{**}	.189	.242 [*]
	Sig. (2-tailed)	.114	.438	.005	.008	.059	.015
	N	100	100	100	100	100	100
Y15	Pearson Correlation	.443 ^{**}	.324 ^{**}	.224 [*]	.448 ^{**}	.381 ^{**}	.288 ^{**}
	Sig. (2-tailed)	.000	.001	.025	.000	.000	.004
	N	100	100	100	100	100	100
Y16	Pearson Correlation	.340 ^{**}	.250 [*]	.435 ^{**}	.541 ^{**}	.357 ^{**}	.433 ^{**}
	Sig. (2-tailed)	.001	.012	.000	.000	.000	.000
	N	100	100	100	100	100	100
Y17	Pearson Correlation	.341 ^{**}	.102	.311 ^{**}	.297 ^{**}	.182	.135
	Sig. (2-tailed)	.001	.311	.002	.003	.071	.180
	N	100	100	100	100	100	100
Y18	Pearson Correlation	.470 ^{**}	.374 ^{**}	.208 [*]	.397 ^{**}	.328 ^{**}	.168
	Sig. (2-tailed)	.000	.000	.038	.000	.001	.096
	N	100	100	100	100	100	100
Y19	Pearson Correlation	.409 ^{**}	.220 [*]	.246 [*]	.407 ^{**}	.345 ^{**}	.203 [*]
	Sig. (2-tailed)	.000	.028	.014	.000	.000	.042
	N	100	100	100	100	100	100
Y20	Pearson Correlation	.102	.046	.251 [*]	.131	.046	.229 [*]
	Sig. (2-tailed)	.314	.652	.012	.195	.652	.022
	N	100	100	100	100	100	100
Y21	Pearson Correlation	.380 ^{**}	.336 ^{**}	.306 ^{**}	.362 ^{**}	.366 ^{**}	.203 [*]
	Sig. (2-tailed)	.000	.001	.002	.000	.000	.043
	N	100	100	100	100	100	100
Y22	Pearson Correlation	.374 ^{**}	.173	.167	.286 ^{**}	.340 ^{**}	.305 ^{**}
	Sig. (2-tailed)	.000	.085	.097	.004	.001	.002
	N	100	100	100	100	100	100

Correlations

		Y7	Y8	Y9	Y10	Y11	Y12
Y12	Pearson Correlation	.297**	.345**	.300**	.406**	.392**	1
	Sig. (2-tailed)	.003	.000	.002	.000	.000	
	N	100	100	100	100	100	100
Y13	Pearson Correlation	.371**	.288**	.396**	.401**	.297**	.332**
	Sig. (2-tailed)	.000	.004	.000	.000	.003	.001
	N	100	100	100	100	100	100
Y14	Pearson Correlation	.243 ⁺	.076	.130	.146	.228 ⁺	.118
	Sig. (2-tailed)	.015	.449	.197	.151	.022	.243
	N	100	100	100	100	100	100
Y15	Pearson Correlation	.423**	.357**	.500**	.471**	.398**	.465**
	Sig. (2-tailed)	.000	.000	.000	.000	.000	.000
	N	100	100	100	100	100	100
Y16	Pearson Correlation	.389**	.308**	.305**	.412**	.299**	.156
	Sig. (2-tailed)	.000	.002	.002	.000	.002	.120
	N	100	100	100	100	100	100
Y17	Pearson Correlation	.267**	.222 ⁺	.161	.330**	.041	.136
	Sig. (2-tailed)	.007	.026	.109	.001	.685	.178
	N	100	100	100	100	100	100
Y18	Pearson Correlation	.407**	.375**	.279**	.395**	.343**	.507**
	Sig. (2-tailed)	.000	.000	.005	.000	.000	.000
	N	100	100	100	100	100	100
Y19	Pearson Correlation	.282**	.463**	.446**	.513**	.098	.320**
	Sig. (2-tailed)	.004	.000	.000	.000	.334	.001
	N	100	100	100	100	100	100
Y20	Pearson Correlation	.180	.127	.242 ⁺	.122	.104	-.089
	Sig. (2-tailed)	.073	.209	.015	.227	.303	.378
	N	100	100	100	100	100	100
Y21	Pearson Correlation	.261**	.355**	.265**	.398**	.209 ⁺	.218 ⁺
	Sig. (2-tailed)	.009	.000	.008	.000	.037	.029
	N	100	100	100	100	100	100
Y22	Pearson Correlation	.412**	.242 ⁺	.263**	.357**	.340**	.530**
	Sig. (2-tailed)	.000	.015	.008	.000	.001	.000
	N	100	100	100	100	100	100

Correlations

		Y13	Y14	Y15	Y16	Y17	Y18
Y12	Pearson Correlation	.332**	.118	.465**	.156	.136	.507**
	Sig. (2-tailed)	.001	.243	.000	.120	.178	.000
	N	100	100	100	100	100	100
Y13	Pearson Correlation	1	.226*	.579**	.335**	.086	.321**
	Sig. (2-tailed)		.024	.000	.001	.392	.001
	N	100	100	100	100	100	100
Y14	Pearson Correlation	.226*	1	.200*	.569**	.460**	.115
	Sig. (2-tailed)	.024		.046	.000	.000	.255
	N	100	100	100	100	100	100
Y15	Pearson Correlation	.579**	.200*	1	.422**	.280**	.523**
	Sig. (2-tailed)	.000	.046		.000	.005	.000
	N	100	100	100	100	100	100
Y16	Pearson Correlation	.335**	.569**	.422**	1	.522**	.404**
	Sig. (2-tailed)	.001	.000	.000		.000	.000
	N	100	100	100	100	100	100
Y17	Pearson Correlation	.086	.460**	.280**	.522**	1	.281**
	Sig. (2-tailed)	.392	.000	.005	.000		.005
	N	100	100	100	100	100	100
Y18	Pearson Correlation	.321**	.115	.523**	.404**	.281**	1
	Sig. (2-tailed)	.001	.255	.000	.000	.005	
	N	100	100	100	100	100	100
Y19	Pearson Correlation	.416**	.078	.485**	.398**	.313**	.310**
	Sig. (2-tailed)	.000	.441	.000	.000	.002	.002
	N	100	100	100	100	100	100
Y20	Pearson Correlation	.152	.328**	.180	.182	.253*	-.027
	Sig. (2-tailed)	.130	.001	.073	.070	.011	.789
	N	100	100	100	100	100	100
Y21	Pearson Correlation	.470**	.223*	.439**	.547**	.255*	.375**
	Sig. (2-tailed)	.000	.026	.000	.000	.011	.000
	N	100	100	100	100	100	100
Y22	Pearson Correlation	.306**	.217*	.466**	.253*	.165	.325**
	Sig. (2-tailed)	.002	.030	.000	.011	.100	.001
	N	100	100	100	100	100	100



Correlations

		Y19	Y20	Y21	Y22
Y12	Pearson Correlation	.320**	-.089	.218 [*]	.530**
	Sig. (2-tailed)	.001	.378	.029	.000
	N	100	100	100	100
Y13	Pearson Correlation	.416**	.152	.470**	.306**
	Sig. (2-tailed)	.000	.130	.000	.002
	N	100	100	100	100
Y14	Pearson Correlation	.078	.328**	.223 [*]	.217 [*]
	Sig. (2-tailed)	.441	.001	.026	.030
	N	100	100	100	100
Y15	Pearson Correlation	.485**	.180	.439**	.466**
	Sig. (2-tailed)	.000	.073	.000	.000
	N	100	100	100	100
Y16	Pearson Correlation	.398**	.182	.547**	.253 [*]
	Sig. (2-tailed)	.000	.070	.000	.011
	N	100	100	100	100
Y17	Pearson Correlation	.313**	.253 [*]	.255 [*]	.165
	Sig. (2-tailed)	.002	.011	.011	.100
	N	100	100	100	100
Y18	Pearson Correlation	.310**	-.027	.375**	.325**
	Sig. (2-tailed)	.002	.789	.000	.001
	N	100	100	100	100
Y19	Pearson Correlation	1	.159	.499**	.216 [*]
	Sig. (2-tailed)		.114	.000	.031
	N	100	100	100	100
Y20	Pearson Correlation	.159	1	.192	.002
	Sig. (2-tailed)	.114		.056	.985
	N	100	100	100	100
Y21	Pearson Correlation	.499**	.192	1	.277**
	Sig. (2-tailed)	.000	.056		.005
	N	100	100	100	100
Y22	Pearson Correlation	.216 [*]	.002	.277**	1
	Sig. (2-tailed)	.031	.985	.005	
	N	100	100	100	100

** . Correlation is significant at the 0.01 level (2-tailed).

Reliability Statistics

Cronbach's Alpha	N of Items
.897	22

Appendix 5 Classical Assumption Test

Normality Test

One-Sample Kolmogorov-Smirnov Test

			Unstandardiz ed Residual
N			100
Normal Parameters ^{a, b}	Mean		.0000000
	Std. Deviation		.31593553
Most Extreme Differences	Absolute		.102
	Positive		.048
	Negative		-.102
Test Statistic			.102
Asymp. Sig. (2-tailed)			.012 ^c
Monte Carlo Sig. (2-tailed)	Sig.		.233 ^d
	99% Confidence Interval	Lower Bound	.222
		Upper Bound	.243

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. Based on 10000 sampled tables with starting seed 2000000.

Heteroscedasticity Test

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.404	.152		2.655	.009
	CON_X	-.122	.043	-.337	-2.809	.006
	GM_M1	.017	.036	.058	.455	.650
	GRIT_M2	.068	.047	.206	1.446	.151

a. Dependent Variable: ABS_RES

Multicollinearity Test

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
		B	Std. Error	Beta			Tolerance	VIF
1	(Constant)	1.014	.242		4.197	.000		
	CON_X	.286	.069	.328	4.148	.000	.666	1.501
	GM_M1	.191	.058	.279	3.310	.001	.584	1.712
	GRIT_M2	.255	.075	.321	3.421	.001	.472	2.120

a. Dependent Variable: ASE_Y

Appendix 6 Hypothesis Test

F Test

OUTCOME VARIABLE:

ASE_Y

Model Summary

R	R-sq	MSE	F (HC3)	df1	df2	p
.7751	.6008	.1029	58.7793	3,0000	96,0000	.0000

t Test

OUTCOME VARIABLE:

ASE_Y

Model Summary

R	R-sq	MSE	F(HC3)	df1	df2	p
,7751	,6008	,1029	58,7793	3,0000	96,0000	,0000

Model

	coeff	se(HC3)	t	p	LLCI	ULCI
constant	1,0137	,2341	4,3292	,0000	,5489	1,4785
CON_X	,2856	,0910	3,1402	,0022	,1051	,4662
GM_M1	,1909	,0765	2,4962	,0143	,0391	,3428
GRIT_M2	,2550	,1055	2,4167	,0176	,0455	,4644

Standardized coefficients

	coeff
CON_X	,3278
GM_M1	,2793
GRIT_M2	,3213

Mediation Test

CON → GM → ASE

Direct effect of X on Y

Effect	se(HC3)	t	p	LLCI	ULCI
,3900	,0753	5,1806	,0000	,2406	,5395

Indirect effect(s) of X on Y:

	Effect	BootSE	BootLLCI	BootULCI
GM_M1	,1572	,0486	,0779	,2654

CON → GRIT → ASE

Direct effect of X on Y

Effect	se(HC3)	t	p	LLCI	ULCI
,3016	,0906	3,3291	,0012	,1218	,4814

Indirect effect(s) of X on Y:

	Effect	BootSE	BootLLCI	BootULCI
GRIT_M2	,2456	,0639	,1303	,3801

Appendix 7 Coefficient of Determination

OUTCOME VARIABLE:

ASE_Y

Model Summary

R	R-sq
,7751	,6008

Model

	coeff
constant	1,0137
CON_X	,2856
GM_M1	,1909
GRIT_M2	,2550

