

Nomor Skripsi: 1004/SKRIPSI/PSI-FIP/10-2021

**KONTRIBUSI PARENTAL PSYCHOLOGICAL CONTROL TERHADAP
KECEMASAN MATEMATIKA YANG DIMEDIASI OLEH
COMPETENCE BASED SELF-ESTEEM
SISWA SMA NEGERI KOTA DEPOK**

SKRIPSI

Diajukan untuk Memperoleh Gelar Sarjana Psikologi di Program Studi Psikologi
Fakultas Ilmu Pendidikan Universitas Pendidikan Indonesia



Disusun oleh:
Agitha Noor Mailysa
NIM 1702554

**PROGRAM STUDI PSIKOLOGI
FAKULTAS ILMU PENDIDIKAN
UNIVERSITAS PENDIDIKAN INDONESIA
2021**

**Kontribusi Parental Psychological Control terhadap Kecemasan Matematika
yang Dimediasi oleh Competence Based Self-esteem
Siswa SMA Negeri Kota Depok**

Oleh:

Agitha Noor Mailysa

Sebuah skripsi yang diajukan untuk memenuhi salah satu syarat memperoleh gelar Sarjana Psikologi di Program Studi Psikologi Fakultas Ilmu Pendidikan

©Agitha Noor Mailysa 2021

Universitas Pendidikan Indonesia

November 2021

Hak cipta dilindungi undang-undang.

Skripsi ini tidak boleh diperbanyak seluruhnya atau hanya sebagian, dengan cetak ulang, difotokopi, atau cara lainnya tanpa izin dari peneliti.

HALAMAN PENGESAHAN SKRIPSI

Agitha Noor Mailysa
1702554

KONTRIBUSI PARENTAL PSYCHOLOGICAL CONTROL TERHADAP KECEMASAN MATEMATIKA YANG DIMEDIASI OLEH *COMPETENCE BASED SELF-ESTEEM* SISWA SMA NEGERI KOTA DEPOK

Disetujui dan Disarankan oleh Pembimbing:

Pembimbing I

Dr. Tina Hayati Dahlan, S.Psi., M.Pd., Psikolog
NIP.19720419 200912 2 002

Pembimbing II

Diah Zaleha Wyandini, M.Si
NIP. 19780314 200912 2 001

Mengetahui,
Ketua Program Studi Psikologi

Dr. Sri Maslihah, M.Psi, Psikolog
NIP. 19700726 200312 2 001

SKRIPSI INI TELAH DIUJIKAN PADA:

Hari/Tanggal : Rabu, 03 November 2021
Waktu : 10.00 – 11.00 WIB
Tempat : Daring (Zoom Meeting)

Para Penguji Terdiri dari:

Penguji I



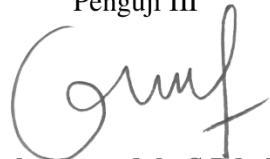
Dr. Tina Hayati Dahlān, S.Psi., M.Pd..
NIP.19720419 200912 2 002

Penguji II



Anastasia Wulandari, M.Psi., Psikolog
NIP.19780208 200604 2 002

Penguji III



Gemala Nurendah, S.Pd., M.A.
NIP.19830202 201012 2 002

Tanggung Jawab Yuridis ada pada Peneliti



Agitha Noor Mailysa
NIM. 1702554

Agitha Noor Mailysa, 2021

KONTRIBUSI PARENTAL PSYCHOLOGICAL CONTROL TERHADAP KECEMASAN MATEMATIKA
YANG DIMEDIASI OLEH COMPETENCE BASED SELF-ESTEEM SISWA SMA NEGERI KOTA DEPOK
Universitas Pendidikan Indonesia | repository.upi.edu | perpustakaan.upi.edu

ABSTRAK

Agitha Noor Mailysa (1702554). Kontribusi *Parental Psychological Control* terhadap Kecemasan Matematika Yang Dimediasi oleh *Competence Based Self-esteem* Siswa SMA Negeri Kota Depok. Skripsi. Program Studi Psikologi, Fakultas Ilmu Pendidikan, Universitas Pendidikan Indonesia. Bandung. (2021).

Penelitian ini bertujuan untuk mengetahui kontribusi *parental psychological control* terhadap kecemasan matematika yang dimediasi oleh *competence based self-esteem* siswa SMA Negeri di Kota Depok. Penelitian ini menggunakan metode kuantitatif. Sebanyak 660 siswa SMA (220 laki-laki dan 440 perempuan berusia 14-19 tahun) dipilih secara acak. Data penelitian dikumpulkan melalui kuesioner yang berisi informasi demografis, *Dependency-oriented and Achievement-oriented Psychological Control Scale* (DAPCS) ($\alpha = 0,90$) (Soenens, Vansteenkiste, & Luyten (2010), *Competence Based Self-esteem Scale* ($\alpha = 0,78$) (Johnson & Blom, 2007), dan *Scale for Assessing Math Anxiety in Secondary education* (SAMAS) ($\alpha = 0,93$) (Yáñez-Marquina & Villardón-Gallego, 2017). Data dianalisis menggunakan statistik deskriptif, *independent sample t test*, *one-way ANOVA*, dan regresi linier berganda. Hasil analisis regresi menunjukkan bahwa *competence based self-esteem* secara signifikan memediasi kontribusi *parental psychological control* terhadap kecemasan matematika.

Kata Kunci: *parental psychological control*; *competence based self-esteem*; kecemasan matematika.

ABSTRACT

Agitha Noor Mailysa (1702554). The Contribution between Parental Psychological Control and Mathematic Anxiety Mediated by Competence Based Self-Esteem. Essay. Department of Psychology, Faculty of Education, Indonesian University of Education. (2021).

The purpose of this study was to examined the contribution between parental psychological control and mathematic anxiety with the mediating effect of competence based self-esteem among senior high school student in Depok. This research using a quantitative methods. 660 senior high school students (220 males and 440 females aged 14-19 years) were randomly selected. In the data collection process, a demographics questionnaire was employed, as well as Dependency-oriented and Achievement-oriented Psychological Control Scale (DAPCS) ($\alpha = 0,90$) (Soenens, Vansteenkiste, & Luyten (2010), Competence Based Self-esteem Scale ($\alpha = 0,78$) (Johnson & Blom, 2007), and Scale for Assessing Math Anxiety in Secondary education (SAMAS) ($\alpha = 0,93$) (Yáñez-Marquina & Villardón-Gallego, 2017). Data were analyzed using descriptive statistics, independent sample t tests, one-way ANOVA, and multiple linear regression. The regression analyses revealed that competence based self-esteem significantly mediates the contribution between parental psychological control and mathematic anxiety.

Keywords: parental psychological control; competence based self-esteem; mathematic anxiety.

DAFTAR ISI

KATA PENGANTAR.....	ii
UCAPAN TERIMA KASIH	iii
ABSTRAK	iv
ABSTRACT	v
DAFTAR ISI.....	vi
DAFTAR TABEL	ix
DAFTAR LAMPIRAN	xi
BAB I PENDAHULUAN.....	1
A. Latar Belakang Penelitian	1
B. Pertanyaan Penelitian	5
C. Tujuan Penelitian.....	5
D. Manfaat Penelitian.....	6
BAB II KAJIAN PUSTAKA	7
A. <i>Parental Psychological Control</i>	7
1. Definisi <i>Parental Psychological Control</i>	7
2. Dimensi <i>Parental Psychological Control</i>	8
B. <i>Competence Based Self-esteem</i>	9
1. Definisi <i>Competence Based Self-esteem</i>	9
2. Dimensi <i>Competence Based Self-esteem</i>	11
3. Faktor-faktor yang Memengaruhi <i>Competence Based Self-esteem</i>	12
C. Kecemasan Matematika	13
1. Definisi Kecemasan Matematika	13
2. Dimensi Kecemasan Matematika	14
3. Faktor-faktor yang Memengaruhi Kecemasan Matematika	15
D. Kerangka Pemikiran	18
E. Hipotesis Penelitian.....	21
BAB III METODE PENELITIAN.....	22

A.	Desain Penelitian	22
B.	Populasi dan Sampel Penelitian	22
1.	Populasi.....	22
2.	Sampel	23
C.	Variabel Penelitian dan Definisi Operasional	27
1.	Variabel Penelitian.....	27
2.	Definisi Variabel.....	28
D.	Instrumen Penelitian.....	29
1.	Spesifikasi Instrumen.....	29
2.	Pengisian Kuesioner	31
3.	Penyekoran	31
4.	Kategorisasi skor	31
5.	Kisi-kisi Instrumen	32
E.	Proses Adaptasi dan Pengembangan Instrumen.....	33
1.	Alih Bahasa.....	33
2.	<i>Expert Judgement</i>	34
3.	Analisis Item Instrumen.....	34
4.	Reliabilitas Instrumen	36
F.	Teknik Analisis Data.....	37
G.	Prosedur Penelitian.....	39
1.	Tahap Persiapan.....	39
2.	Tahap Pengumpulan Data.....	40
3.	Tahapan Akhir	40
	BAB IV HASIL DAN PEMBAHASAN	41
A.	Hasil Penelitian	41
1.	Gambaran <i>Parental Psychological Control</i>	41
2.	Gambaran <i>Competence Based Self-esteem</i>	44
3.	Gambaran Kecemasan Matematika	47
4.	Uji Hipotesis	50
B.	Pembahasan	58
	BAB V SIMPULAN DAN REKOMENDASI.....	62
A.	Simpulan.....	62

B. Rekomendasi	62
DAFTAR PUSTAKA	64
LAMPIRAN.....	77

DAFTAR TABEL

Tabel 3. 1 Daftar SMAN di Kota Depok Tahun 2021	24
Tabel 3. 2 Jumlah Sampel Penelitian Pada 8 SMAN Terpilih di Kota Depok	25
Tabel 3. 3 Gambaran Demografis Responen Penelitian	26
Tabel 3. 4 Penyekoran Instrumen DAPCS, Competence Based Self-esteem Scale, dan SAMAS	31
Tabel 3. 5 Kategorisasi Skor Variabel <i>Parental Psychological Control</i>	31
Tabel 3. 6 Kisi-kisi Instrumen Dependency-oriented and Achievement-oriented Psychological Control Scale (DAPCS)	32
Tabel 3. 7 Kisi-kisi Instrumen Competence Based Self-esteem Scale	32
Tabel 3. 8 Kisi-kisi Instrumen Scale for Assessing Math Anxiety in Secondary education (SAMAS).....	33
Tabel 3. 9 Hasil Analisis Item DAPCS	34
Tabel 3. 10 Hasil Analisis Item Competence Based Self-esteem Scale	35
Tabel 3. 11 Hasil Analisis Item SAMAS	36
Tabel 3. 12 Hasil Uji Multikolinearitas.....	39
Tabel 4. 1 Kategorisasi Tingkat <i>Parental Psychological Control</i>	41
Tabel 4. 2 Hasil Uji Beda <i>Parental Psychological Control</i> Berdasarkan Demografis	42
Tabel 4. 3 Kategorisasi Tingkat <i>Competence Based Self-esteem</i>	44
Tabel 4. 4 Hasil Uji Beda <i>Competence Based Self-esteem</i> Berdasarkan Demografis	45
Tabel 4. 5 Kategorisasi Tingkat Kecemasan Matematika.....	47
Tabel 4. 6 Hasil Uji Beda Kecemasan Matematika Berdasarkan Demografis	47
Tabel 4. 7 Hasil Analisi Regresi <i>Parental Psychological Control</i> terhadap Kecemasan Matematika	50
Tabel 4. 8 Hasil Analisi Regresi <i>Parental Psychological Control</i> terhadap Competence Based Self-esteem	52
Tabel 4. 9 Hasil Analisi Regresi <i>Competence Based Self-esteem</i> terhadap Kecemasan Matematika	53

Tabel 4. 10 Hasil Analisi Regresi *Competence Based Self-esteem* terhadap
Kecemasan Matematika 54

DAFTAR GAMBAR

Gambar 2. 1 Bagan Kerangka Pemikiran.....	20
Gambar 4. 1 Diagram Analisis Regresi antar Variabel.....	56

DAFTAR LAMPIRAN

Lampiran 1 Surat Pengangkatan Pebimbing	78
Lampiran 2 Surat Izin Pengambilan Data	80
Lampiran 3 Kartu Bimbingan	81
Lampiran 4 Lembar Pernyataan Verifikasi Data	83
Lampiran 5 Pernyataan Validasi Instrumen	84
Lampiran 6 Lembar Kuesioner	88
Lampiran 7 Data Demografis Responden	96
Lampiran 8 Reliabilitas <i>Parental Psychological Control</i>	141
Lampiran 9 Reliabilitas <i>Competence Based Self-esteem</i>	143
Lampiran 10 Reliabilitas Kecemasan Matematika	145
Lampiran 11 Skor <i>Parental Psychological Control</i>	147
Lampiran 12 Skor <i>Competence Based Self-esteem</i>	168
Lampiran 13 Skor Kecemasan Matematika	189
Lampiran 14 Uji Beda.....	210
Lampiran 15 Uji Regresi <i>Parental Psychological Control</i> terhadap Kecemasan Matematika	220

DAFTAR PUSTAKA

- Aarnos, E., & Perkkilä, P. (2012). Early Signs of Mathematics Anxiety?. *Procedia - Social and Behavioral Sciences*, 46, 1495–1499.
<https://doi.org/10.1016/j.sbspro.2012.05.328>.
- Ahmed, W., Minnaert, A., Kuyper, H., & van der Werf, G. (2012). Reciprocal Relationships between Math Self-concept and Math Anxiety. *Learning and Individual Differences*, 22(3), 385–389.
<https://doi.org/10.1016/j.lindif.2011.12.004>
- Abu-Bader, Soleman., & Jones, Tiffanie. (2021). Statistical Mediation Analysis Using the Sobel Test and Hayes SPSS Process Macro. *International Journal of Quantitative and Qualitative Research Methods*, 9(1), 42-61.
<https://ssrn.com/abstract=3799204>
- Anindyarini, R., & Supahar, S. (2019). Portrait of Mathematical Anxiety in Early Youth Ages. *International Journal of Trends in Mathematics Education*, 2(3).
<https://doi.org/10.33122/ijtmer.v2i3.77>
- Arikunto, S. (2009). *Manajemen Penelitian*. Jakarta: Rineka Cipta
- Ashcraft, M. H. (2002). Math Anxiety: Personal, Educational, and Cognitive Consequences. *Current Directions in Psychological Science and Cognitive Consequences*, 181-185. <https://doi.org/10.1111/1467-8721.00196>
- Azwar, Saifuddin. (2019). *Penyusunan Skala Psikologi*. Edisi II. Yogyakarta: Pustaka Pelajar.
- Azwar, Saifuddin. (2015). *Reliabilitas dan Validitas*. Yogyakarta: Pustaka Pelajar.
- Bandura, Albert. (1993). Perceived Self-Efficacy in Cognitive Development and Functioning. *Educational Psychologist*, 28(2), 117-148.
https://doi.org/10.1207/s15326985ep2802_3.
- Barber, B. (1996). Parental Psychological Control: Revisiting a Neglected Construct. *Child Development*, 67(6), 3296-3319.
<https://doi.org/10.2307/1131780>
- Barber, B. K., & Harmon, E. L. (2002). *Violating the Self: Parental Psychological Control of Children and Adolescents*. In B. K. Barber (Ed.), Intrusive

parenting: How psychological control affects children and adolescents, 15–52. <https://doi.org/10.1037/10422-00>

- Barber, B. K., Stoltz, H. E., & Olsen, J. A. (2005). Parental Support, Psychological Control, and Behavioral Control: Assessing Relevance Across Time, Culture, and Method. *Monographs of the Society for Research in Child Development*, 70(4), 58–72. <https://doi.org/10.1111/j.1540-5834.2005.00369.x>
- Barber, B. K., Xia, M., Olsen, J. A., McNeely, C. A., & Bose, K. (2012). Feeling Disrespected by Parents: Refining The Measurement and Understanding Psychological Control. *Journal of Adolescence*, 35(2), 273–287. <https://doi.org/10.1016/j.adolescence.2011.10.010>
- Baron, R. M., & Kenny, D. A. (1986). The Moderator-mediator Variable Distinction in Social Psychological Research: Conceptual, Strategic, and Statistical Considerations. *Journal of Personality and Social Psychology*, 51(6), 1173. <https://doi.org/10.1037/0022-3514.51.6.1173>.
- Blom, V. (2011). Striving For Self-Esteem : Conceptualizations And Role In Burnout. *Dissertation*. Department of Psychology, Stockholm University). Diunduh dari <http://urn.kb.se/resolve?urn=urn:nbn:se:su:diva-55643>
- Blom, V., Johnson, M., & Patching, G. R. (2011). Physiological and Behavioral Reactivity when One's Self- Worth is Staked on Competence. *Individual Differences Research*, 9(3), 138-152. <https://psycnet.apa.org/record/2011-23340-002>
- Blom, V., Johnson, M., & Patching, G. R. (2011). Physiological And Behavioral Reactivity When One's Self-Worth Is Staked On Competence. *Individual Differences Research*, 9(3), 138–152. Diunduh dari <http://media.victoriabлом.se/2021/02/Blom-et-al-2011.pdf>
- Blom, Victoria. (2012). Contingent Self-esteem, Stressors, and Burnout in Working Women and Men. *Work*, 43(2), 123-131. <https://doi.org/10.3233/WOR-2012-1366>.
- Bojnordi, M. A., & Bakhtiarpour, S., & Makvandi, B., & Ahteshamzadeh, P. (2020). Considering the Mediating Role of Academic Achievement Anxiety In Relationship Between Parental Psychological Control And Academic Engagement In Applicants For University Entry. *Counseling Culture And Psychotherapy*, 10(40), 133-132. <https://www.sid.ir/en/journal/ViewPaper.aspx?id=743591>

- Bowlby, J. (1980). *Attachment and Loss: Loss Separation and Depression*. New York: Basic Books. Vol. 3. Diunduh dari <https://abebe.zohosites.com/files/John-Bowlby-Loss-Sadness-And-Depression-Attachment-and-Loss-1982.pdf>
- Buckley, S., Reid, K., Goos, M., Lipp, O. V., & Thomson. (2016). Understanding and Addressing Mathematics Anxiety Using Perspectives from Education, Psychology and Neuroscience. *Australian Journal of Education*, 1-14. <https://doi.org/10.1177/0004944116653000>.
- Chang, H., & Beilock, S. L. (2016). The Math Anxiety-math Performance Link and its Relation to Individual and Environmental Factors: A Review of Current Behavioral and Psychophysiological Research. *Current Opinion in Behavioral Science*, 10, 33-38. <https://doi.org/10.1016/j.cobeha.2016.04.011>
- Chi, J., & Rao, N. (2003). Parental Beliefs about School Learning and Children's Educational Attainment: Evidence from Rural China. *Ethos*, 31, 330–356. <https://doi.org/101525/eth.2003.31.3.330>.
- Ching, B. H.-H., Wu, H. X., & Chen, T. T. (2020). Maternal Achievement-Oriented Psychological Control: Implications for Adolescent Academic Contingent Self-Esteem and Mathematics Anxiety. *International Journal of Behavioral Development*, 1-11. <https://doi.org/10.1177/0165025420981638>.
- Cipora, K., Szczygieł, M., Willmes, K., & Nuerk, H. (2015). Math Anxiety Assessment with the Abbreviated Math Anxiety Scale: Applicability and Usefulness : Insights from the Polish Adaptation. *Frontiers in Psychology*, 6(1833). <https://doi.org/10.3389/fpsyg.2015.01833>.
- Creswell, J. C. (2012). *Educational Research: Planning, Conducting, and Evaluating Quantitative and Qualitative Research*. Fourth Edition. Boston, MA: Pearson. Diunduh dari <http://lcwu.edu.pk/ocd/cfiles/TESOL/MS-TSL-505/EducationalResearchPlanningConductingandEvaluatingQuantitativeandQualitativeResearch.pdf>
- Crocker, J., & Knight, K. M. (2005). Contingencies of Self-Worth. *Current Directions in Psychological Science*, 14(4), 200–203. <https://doi.org/10.1111/j.0963-7214.2005.00364.x>

- Crocker, J., & Park, L. E. (2004). The Costly Pursuit of Self-Esteem. *Psychological Bulletin*, 130(3), 392–414. <https://doi.org/10.1037/0033-2909.130.3.392>
- Crocker, J., & Wolfe, C. T. (2001). Contingencies of self-worth. *Psychological Review*, 108(3), 593–623. <https://doi.org/10.1037/0033-295X.108.3.593>
- Dapodik Jabar. (2021). *Gambaran Umum Keadaan Sekolah Menengah Atas (SMA) Tiap Provinsi di Kota Depok*. [Online]. Dikutip dari <https://dapodik.disdik.jabarprov.go.id/statistik/?page=sma&wil=026600&thn=2019&stat=1&tab=2>. Dikutip pada 5 Juli 2021.
- Deringöl, Y. (2019). Parents' Expectation of Mathematics Education and Their Engagement in Education and Homework Habits of Children. *Acta Educationis Generalis*, 9(3), 16-40. <https://doi.org/10.2478/atd-2019-0012>
- Di Paula, A., & Campbell, J. D. (2002). Self-Esteem and Persistence In The Face Of Failure. *Journal of Personality and Social Psychology*, 83(3), 711–724. <https://doi.org/10.1037/0022-3514.83.3.711>
- DiBartolo, P. M., Li, C. Y., & Frost, R. O. (2008). How Do the Dimensions of Perfectionism Relate to Mental Health?. *Cognitive Therapy and Research*, 32, 401–417. <https://doi.org/10.1007/s10608-007-9157-7>
- Elliott, A. C., & Woodward, W. A. (2007). *Statistical Analysis Quick Reference Guidebook: With SPSS Examples*. Sage.
- FAME-RN. (2020). The COVID-19 Pandemic: A Family Affair. *Journal of Family Nursing*, 26(2), 87–89. <https://doi.org/10.1177/1074840720920883>.
- Fauziah, Nur. (2021). Daya Tampung SMA Negeri di Depok Tidak Sebanding dengan Jumlah Pendaftar PPDB. [Online]. Dikutip dari <https://www.merdeka.com/peristiwa/daya-tampung-sma-negeri-di-depok-tidak-sebanding-dengan-jumlah-pendaftar-ppdb.html>. Dikutip pada 5 Juli 2021.
- Fennema, E., & Sherman, J. A. (1976). Fennema-Sherman Mathematics Attitudes Scales: Instruments Designed to Measure Attitudes toward the Learning of Mathematics by Females and Males. *Journal for Research in Mathematics Education*, 7(5), 324-326. <http://www.jstor.org/stable/748467>
- Field, A. P., Evans, D., Bloniewski, T., & Kovas, Y. (2019). Predicting Maths Anxiety from Mathematical Achievement Across The Transition From

- Primary To Secondary Education. *Royal Society Open Science*, 6(11), 191459. <https://doi.org/10.1098/rsos.191459>
- Filippello, P., Sorrenti, L., Buzzai, C., Costa, S. (2015). Perceived Parental Psychological Control and Learned Helplessness: The Role of School Self-efficacy. *School Mental Health*, 7, 298–310. <https://doi.org/10.1007/s12310-015-9151-2>
- Forsman, L., & Johnson, M. (1996). Dimensionality and Validity of Two Scales Measuring Different Aspects of Self-esteem. *Scandinavian Journal of Psychology*, 37(1), 1–15. <https://doi.org/10.1111/j.1467-9450.1996.tb00635.x>
- Frazier, P. A., Tix, A. P., & Barron, K. E. (2004). Testing Moderator and Mediator Effects in Counseling Psychology Research. *Journal of Counseling Psychology*, 51(1), 115–134. <https://doi.org/10.1037/0022-0167.51.1.115>
- Frey, B. (2018). *The SAGE Encyclopedia of Educational Research, Measurement, And Evaluation* (Vols. 1-4). Thousand Oaks, CA: SAGE Publications, Inc. <https://doi.org/10.4135/9781506326139>
- García-Pérez, O., Rodríguez-Menéndez, C., Torío-López, S., & Rodríguez-Pérez, S. (2019). Validation of The Dependency-oriented and Achievement-oriented Psychological Control Scale (DAPCS) in A Spanish-speaking Late Adolescent Sample. *Anales de Psicología*, 35(3), 453–463. <https://doi.org/10.6018/analeps.35.3.329991>.
- Garn, A. C., & Jolly, J. (2015). A Model of Parental Achievement-oriented Psychological Control in Academically Gifted Students. *High Ability Studies*, 26(1), 105-116. <https://doi.org/10.1080/13598139.2015.1028614>
- Ghasemi, A., & Zahediasl, S. (2012). Normality Tests For Statistical Analysis: A Guide For Non-Statisticians. *International journal of endocrinology and metabolism*, 10(2), 486–489. <https://doi.org/10.5812/ijem.3505>
- Grant, H., & Dweck, C. S. (2003). Clarifying Achievement Goals and Their Impact. *Journal of Personality and Social Psychology*, 85(3), 541–553. <https://doi.org/10.1037/0022-3514.85.3.541>
- Gravemeijer, K., Stephan, M., Julie, C., Lin, F., & Ohtani, M. (2017). What Mathematics Education May Prepare Students for the Society of the Future?.

- International Journal of Science and Mathematics Education*, 15, 105–123.
<https://doi.org/10.1007/s10763-017-9814-6>
- Grolnick, Wendy S. (2003). The Psychology of Parental Control: How Well-Meant Parenting Backfires. *Journal of Developmental & Behavioral Pediatrics*, 25(1), 69-70. <https://doi.org/10.1097/00004703-200402000-00016>
- Guilford, J. (1942). *Fundamental Statistics in Psychology and Education*. New York: McGraw Hill.
- Hallsten, L., Bellaagh, K., & Gustafsson, K. (2002). *Burnout In Sweden - A Population Study*. Stockholm: National Institute for Working Life.
http://nile.lub.lu.se/arbach/ah/2002/ah2002_06.pdf
- Hallsten, L., Josephson, M., & Torgén, M. (2005). *Performance-based Self-esteem: A Driving Force in Burnout Processes and Its Assessment*. Stockholm: Arbetslivsinstitutet. Diunduh dari <http://hdl.handle.net/2077/4355>
- Hogg, M. A, & Reid, S. A. (2006). Social Identity, Self-Categorization, and The Communication of Group Norms. *Communication Theory*, 16(1), 7–30.
<https://doi.org/10.1111/j.1468-2885.2006.00003.x>
- Hopko, D. R. (2003). Confirmatory Factor Analysis of The Math Anxiety Rating Scale-revised. *Educational and Psychological Measurement*, 63(2), 336–351.
<https://doi.org/10.1177/0013164402251041>
- Hopko, D. R., Mahadevan, R., Bare, R. L., & Hunt, M. K. (2003). The Abbreviated Math Anxiety Scale (AMAS) Construction, Validity, and Reliability. *Assessment*, 10(2). <https://doi.org/10.1177/1073191103252351>
- Jameson, M. M. (2014). Contextual Factors Related to Math Anxiety in Second Grade Children. *The Journal of Experimental Education*, 82(4), 518-536.
<https://doi.org/10.1080/00220973.2013.813367>.
- Johnson, M. (2010). Depressive Styles, Self-Esteem Structure, And Health: A Dynamic Approach To Differential Vulnerability In Self-Criticism And Dependency. *Individual Differences Research*, 8(1), 45–66.
<https://psycnet.apa.org/record/2010-05622-006>
- Johnson, M., & Blom, V. (2007). Development and Validation of Two Measures of Contingent Self-Esteem. *Individual Differences Research*, 5(4), 300–328.
Diunduh dari <https://psycnet.apa.org/record/2007-18918-006>

- Johnson, M., & Forsman, L. (1995). Competence Strivings and Self-esteem: An Experimental Study. *Personality and Individual Differences*, 19(4), 417–430. [https://doi.org/10.1016/0191-8869\(95\)00081-G](https://doi.org/10.1016/0191-8869(95)00081-G)
- Jose, P. E. (2013). *Doing Statistical Mediation and Moderation*. Guilford Press.
- Kabeera, Pontian. (2018). Examining The Influence of Student's Perception on Mathematics Performance: Case of Three Selected Rwandan Secondary Schools. *International Journal of Research Studies in Education*, 8(1), 33–41. <https://doi.org/10.5861/ijrse.2018.3007>
- Kaleva, S., Pursiainen, J., Hakola, M., Rusanen, J., & Muukkonen, H. (2019). Students' Reasons for STEM Choices And The Relationship Of Mathematics Choice To University Admission. *International Journal of STEM Education*, 6(43). <https://doi.org/10.1186/s40594-019-0196-x>
- Kurniasari, A., Pribowo, F., Putra, D. (2020). Analisis Efektivitas Pelaksanaan Belajar Dari Rumah (BDR) Selama Pandemi COVID-19. *Jurnal Kajian Pendidikan dan Hasil Penelitian*, 6(3). <http://doi.org/10.26740/jrpd.v6n3.p246-253>.
- Kvedere, Liene. (2014). Mathematics Self-Efficacy, Self-Concept and Anxiety among 9th Grade Students in Latvia. *Procedia - Social and Behavioral Sciences*, 116, 2687 – 2690. <https://doi.org/10.1016/j.sbspro.2014.01.636>
- Lawrence, J. S. & Williams, A. (2013). Anxiety Explains Why People with Domain-contingent Self-Worth Underperform on Ability-diagnostic Tests. *Journal of Research in Personality*, 47, 227–232. <https://doi.org/10.1016/j.jrp.2013.01.004>
- Legg, A, M., & Locker, L. (2009). Math Performance and Its Relationship to Math Anxiety and Metacognition. *North American Journal of Psychology*, 11(3), 471-486. Diunduh dari <https://core.ac.uk/download/pdf/229059941.pdf>
- Lim, S. Y., & Chapman, E. (2013). An Investigation of the Mathematics Anxiety Subscale. *Assessment, Development, and Validation*, 46(1), 26-37. <https://doi.org/10.1177/0748175612459198>.
- Luttenberger, S., Wimmer, S., & Paechter, M. (2018). Spotlight on Math Anxiety. *Psychology Research and Behavior Management*, 11, 311–322. <https://doi.org/10.2147/PRBM.S141421>.

- MacKinnon D. P., Lockwood, C. M., Hoffman, J. M., West, S. G., & Sheets, V. (2002). A Comparison Of Methods To Test Mediation And Other Intervening Variable Effects. *Psychological Methods*, 7(1), 83–104. <https://doi.org/10.1037/1082-989X.7.1.83>
- Macmull, M. S., & Ashkenazi, S. (2019). Math Anxiety: The Relationship between Parenting Style and Math Self-Efficacy. *Frontiers in Psychology*, 10(1721). <https://doi.org/10.3389/fpsyg.2019.01721>.
- Mohamed, S. H. & Tarmizi R. A. (2010). Anxiety in Mathematics Learning Among Secondary School Learners: A Comparative Study between Tanzania and Malaysia. *Procedia - Social and Behavioral Sciences*, 8, 498-504. <https://doi.org/10.1016/j.sbspro.2010.12.068>.
- Mutawah, M. A. (2015). The Influence of Mathematics Anxiety in Middle and High School Students Math Achievement. *International Education Studies*, 8(11). <http://dx.doi.org/10.5539/ies.v8n11p239>
- Nazir, Mohammad. (2009). *Metode Penelitian*. Jakarta: Ghalia Indonesia
- Ng, L. K. (2012). *Mathematics Anxiety in Secondary School Students*. In D. Jaguthsing, P. C. Lu., S. F. Ng (Eds), Mathematics education: Expanding horizons: Proceedings of the 35th Annual Conference of the Mathematics Education Research Group of Australasia, 570-577. Adelaide: Mathematics Education Research Group of Australasia. Diunduh dari <https://files.eric.ed.gov/fulltext/ED573311.pdf>
- Peat, J., & Barton, B. (2008). *Medical Statistics: A Guide to Data Analysis and Critical Appraisal*. John Wiley & Sons.
- Plake, B. S., & Parker, C. S. (1982). The Development and Validation of A Revised Version of the Mathematics Anxiety Rating. *Educational and Psychological Measurement*, 42, 551-557. <https://doi.org/10.1177/001316448204200218>.
- Pletzer, B., Wood, G., Scherndl, T., Kerschbaum, H. H., & Nuerk, H. (2016). Components of Mathematics Anxiety: Factor Modeling of the MARS30-Brief. *Frontiers in Psychology*, 7(91), 1–14. <https://doi.org/10.3389/fpsyg.2016.00091>.
- Posselt, Julie R., & Lipson, Sarah K. (2016). Competition, Anxiety, and Depression in the College Classroom: Variations by Student Identity and Field of Study.

- Journal of College Student Development*, 58(8), 973-989.
<https://doi.org/10.1353/csd.2016.0094>.
- Preacher, K. J., & Hayes, A. F. (2008). Asymptotic And Resampling Strategies For Assessing And Comparing Indirect Effects In Multiple Mediator Models. *Behavior Research Methods*, 40, 879–891
- Preacher, K. J., & Hayes, A. F. (2004). SPSS and SAS procedures for estimating indirect effects in simple mediation models. *Behavior Research Methods, Instruments, & Computers*, 36, 717–731.
<https://doi.org/10.3758/BF03206553>
- Preacher, K. J., & Leonardelli, G. J. (2001). *Calculation For The Sobel Test: An Interactive Calculation Tool For Mediation Tests*. Retrieved from <http://quantpsy.org/sobel/sobel.htm>
- Quach, A. S., Epstein, N. B., Riley, P. J., Falconier, M. K., & Fang, X. (2013). Effects of Parental Warmth and Academic Pressure on Anxiety and Depression Symptoms in Chinese Adolescents. *Journal Children Family Study*. <https://doi.org/10.1007/s10826-013-9818-y>.
- Ramirez, G., & Beilock, S. L. (2011). Writing About Testing Wor-Ries Boosts Exam Performance In The Classroom. *Science*, 331(6014), 211–213.
<https://doi.org/10.1126/science.1199427>
- Ramirez, G., Shaw, Stacy T., & Maloney, Erin A. (2018). Math Anxiety: Past Research, Promising Interventions, and a New Interpretation Framework. *Educational Psychologist*, 1-20.
<https://doi.org/10.1080/00461520.2018.1447384>.
- Richardson, F. C., & Suinn, R. M. (1972). The Mathematics Anxiety Rating Scale: Psychometric Data. *Journal of Counseling Psychology*, 19(6), 551-554.
<https://doi.org/10.1037/h0033456>.
- Scarpello, G. (2007). Helping Students Get Past Math Anxiety. *Techniques: Connecting Education and Careers*, 82(6), 34–35. Diunduh dari <http://files.eric.ed.gov/fulltext/EJ775465.pdf>
- Scharf, M., & Goldner, L. (2018). “If You Really Love Me, You Will Do/Be...”: Parental Psychological Control and Its Implications for Children’s

- Adjustment. *Developmental Review*, 49, 16–30.
[https://doi.org/101016/j.dr.2018.07.002.](https://doi.org/101016/j.dr.2018.07.002)
- Schöne, C., Tandler, S. S., & Stiensmeier-Pelster, J. (2015). Contingent Self-esteem and Vulnerability to Depression: Academic Contingent Self-esteem Predicts Depressive Symptoms in Students. *Frontiers in psychology*, 6, 1573.
<https://doi.org/10.3389/fpsyg.2015.01573>
- Setiawan, Nugraha. (2007). Penentuan Ukuran Sampel Memakai Rumus Slovin dan Tabel Krejcie-Morgan: Telaah Konsep dan Aplikasinya. *Makalah*. Universitas Padjadjaran.
- Sobel, M. E. (1982). Asymptotic Confidence Intervals For Indirect Effects In Structural Equations Models. In S. Leinhart (Ed.), *Sociological Methodology*, 13, 290–312. San Francisco, CA: Jossey-Bass.
<https://doi.org/10.2307/270723>
- Soenens, B., & Vansteenkiste, M. (2010). A Theoretical Upgrade of The Concept of Parental Psychological Control: Proposing New Insights on The Basis of Self-determination Theory. *Developmental Review*, 30(1), 74–99.
<https://doi.org/10.1016/j.dr.2009.11.001>
- Soenens, B., Park, S.-Y., Vansteenkiste, M., & Mouratidis, A. (2012). Perceived Parental Psychological Control and Adolescent Depressive Experiences: A Cross-cultural Study with Belgian and South-korean Adolescents. *Journal of Adolescence*, 35(2), 261–272.
<https://doi.org/10.1016/j.adolescence.2011.05.001>
- Soenens, B., Vansteenkiste, M., & Luyten, P. (2010). Toward A Domain-specific Approach to The Study of Parental Psychological Control: Distinguishing Between Dependency-oriented and Achievement-oriented Psychological Control. *Journal of Personality*, 78(1), 217–256.
<https://doi.org/10.1111/j.1467-6494.2009.00614.x>
- Sonia, R., Alizamar, A., Betri, A., & Putra, F. W. (2020). Rasch Analysis: Students' Mathematics Anxiety and Symptoms. *Jurnal Aplikasi IPTEK Indonesia*, 4 (1), 12-18. <https://doi.org/10.24036/4.14342>
- Spinelli, M., Lionetti, F., Pastore, M., & Fasolo, M. (2020). Parents' Stress and Children's Psychological Problems in Families Facing the COVID-19

- Outbreak in Italy. *Frontiers in Psychology*, 11(1713). <https://doi.org/10.3389/fpsyg.2020.01713>.
- Stankov, L. (2010). Unforgiving Confucian Culture: A Breeding Ground For High Academic Achievement, Test Anxiety And Self-Doubt?. *Learning and Individual Differences*, 20(6), 555–563. <https://doi/10.1016/j.lindif.2010.05.003>
- Steinberg, L. (2002). *Adolescence* (6th ed.). Boston, MA: McGraw Hill.
- Sturman, E. D., Flett, G. L., Hewitt, P. L., & Rudolph, S. G. (2009). Dimensions of Perfectionism and Self-worth Contingencies in Depression. *Journal of Rational-Emotive & Cognitive-Behavior Therapy*, 27(4), 213–231. <https://doi.org/10.1007/s10942-007-0079-9>
- Supriatna, A., & Zulkarnaen, R. (2019). Analisis Tingkat Kecemasan Matematis Siswa SMP. *Prosiding Seminar Nasional Matematika dan Pendidikan Matematika*, 730-735. Diunduh dari <https://journal.unsika.ac.id/index.php/sesiomadika/article/view/2757/1885>
- Szczygiel, M. (2020). Gender, General Anxiety, Math Anxiety and Math Achievement In Early School-Age Children. *Issues in Educational Research*, 30(3), 1126-1142. Diunduh dari <http://www.iier.org.au/iier30/szczygiel.pdf>
- Taty, T. (2020). Analysis of Learning Anxiety Condition Among Senior High School Student. *COUNS-EDU: The International Journal of Counseling and Education*, 5(1), 39-45. <https://doi.org/10.23916/0020200526720>
- Taylor, B. A., & Fraser, B. J. (2013). Relationships between Learning Environment and Mathematics Anxiety. *Learning Environment Research*, 16, <https://doi.org/10.1007/s10984-013-9134-x>.
- Wahid, S. N. S., Yusof, Y., & Razak, M. R. (2014). Math Anxiety among Students in Higher Education Level. *Procedia - Social and Behavioral Sciences*, 123, 232-237. <https://doi.org/10.1016/j.sbspro.2014.01.1419>.
- Weerasinghe, D., & Panizzon, D. L. (2015). *A Cross-Cultural Comparison of Parental Expectations For The Mathematics Achievement Of Their Secondary School Students*. In M. Marshman, V. Geiger, & A. Bennison (Eds.), *Mathematics Education in the Margins: Proceedings of the 38th Annual Conference of the Mathematics Education Research Group of*

- Australasia (MERGA38), 635 - 642. Mathematics Education Research Group of Australasia. Diunduh dari <https://files.eric.ed.gov/fulltext/ED572518.pdf>
- WHO. (2020). Coronavirus Disease 2019 (COVID-19). *Situation Report – 01*. Diunduh dari https://cdn.who.int/media/docs/default-source/searo/indonesia/covid19/who-indonesia-situation-report-1.pdf?sfvrsn=6be5b359_0
- Winarso, W., & Haqq, A. A (2019). Psychological Disposition of Student; Mathematics Anxiety versus Happiness Learning on the Level Education. *International Journal of Trends in Mathematics Education Research*, 2(1), 19-25. <https://doi.org/10.33122/ijtmer.v2i1.32>
- Wouters, S., Doumen, S., Germeijs, V., Colpin, H., Verschueren, K., & Leuven, K. U. (2013). Contingencies of Self-worth in Early Adolescence: The Antecedent Role of Perceived Parenting. *Social Development*, 22(2), 242–258. <https://doi.org/10.1111/sode.12010>
- Wu, Q., & Xu, Y. (2020). Parenting Stress and Risk of Child Maltreatment during The COVID-19 Pandemic: A Family Stress Theory-informed Perspective. *Developmental Child Welfare*, 2(3), 180–196. <https://doi.org/10.1177/2516103220967937>.
- Wuyts, D., Vansteenkiste, M., Soenens, B., & Assor, A. (2015). An Examination of The Controlling Dynamics Involved in Parental Child-invested Contingent Self-esteem. *Parenting-science and Practice*, 15(2), 55–74. <https://doi.org/10.1080/15295192.2015.1020135>
- Xie, F., Xin, Z., Chen, X., & Zhang, L. (2019). Gender Difference of Chinese High School Students' Math Anxiety: The Effects of Self-Esteem, Test Anxiety and General Anxiety. *Sex Roles*, 81(3–4), 235–244. <https://doi.org/10.1007/s11199-018-0982-9>
- Xu, X., Lou, L., Wang, L., & Pang, W. (2017). Adolescents' Perceived Parental Psychological Control and Test Anxiety: Mediating Role of Academic Self-Efficacy. *Social Behavior and Personality: An International Journal*, 45(9), 1573-1584. <https://doi.org/10.2224/sbp.6754>
- Yáñez-Marquina, L., & Villardón-Gallego. (2017). Math anxiety, a hierarchical construct: Development and validation of the Scale for Assessing Math

Anxiety in Secondary education. *Ansiedad y Estres*, 23(2).
<https://doi.org/10.1016/j.anyes.2017.10.00>