

**APLIKASI MAHASISWA BUGAR UNTUK MENINGKATKAN
*PHYSICAL SELF-CONCEPT***

SKRIPSI

diajukan untuk memenuhi sebagai syarat untuk memperoleh gelar
Sarjana Olahraga Program Studi Ilmu Keolahragaan



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ABSTRAK

APLIKASI MAHASISWA BUGAR UNTUK MENINGKATKAN *PHYSICAL SELF-CONCEPT*

Penelitian ini bertujuan untuk meningkatkan physical self-concept dengan menungguan aplikasi mahasiswa bugar. Metode yang digunakan dalam penelitian ini *randomized kontrol trial* dengan *Pretest – Post Test Kontrol Group Design*. Sebanyak 62 mahasiswa aktif dari 8 fakultas yang berada di Universitas Pendidikan Indonesia dengan menggunakan teknik *purposive sampling*. Instrumen yang digunakan Physical Self-Description Questionnaire - Short Version (PSDQ-S) untuk mengukur *physical self-concept*. Data dianalisis dengan menggunakan uji Wilcoxon dan Mann-Whitney, hasil analisis uji Wilcoxon menunjukkan adanya peningkatan physical self-concept pada sampel yang diberikan intervensi aplikasi selama 8 minggu ($p = 0.00 < 0.05$). Nilai uji Mann-whitney ($p = 0.00 < 0.05$), maka terdapat perbedaan yang signifikan antara kelompok yang diberikan intervensi aplikasi dan kelompok kontrol yang tidak diberikan intervensi.

Kata Kunci : Aktivitas fisik, aplikasi kebugaran, physical self-concept

ABSTRACT

MAHASISWA BUGAR APPLICATION FOR INCREASE PHYSICAL SELF-CONCEPT

This study aims to improve physical self-concept by using fit student applications. The method used in this study was a randomized control trial with a Pretest – Post Test Control Group Design. A total of 62 active students from 8 faculties at the Indonesian University of Education used a purposive sampling technique. The instrument used is the Physical Self-Description Questionnaire - Short Version (PSDQ-S) to measure physical self-concept. Data were analyzed using the Wilcoxon and Mann-Whitney tests, the results of the Wilcoxon test analysis showed an increase in physical self-concept in the sample given the application intervention for 8 weeks ($p = 0.00 < 0.05$). The value of the Mann-Whitney test ($p = 0.00 < 0.05$), means that there is a significant difference between the group that was given the application intervention and the control group that was not given the intervention.

Keywords : *Physical activity, fitness application, physical activity*

DAFTAR ISI

LEMBAR PENGESAHAN SKRIPSI	i
LEMBAR PERNYATAAN	ii
KATA PENGANTAR.....	iii
UCAPAN TERIMAKASIH.....	iv
ABSTRAK	vi
DAFTAR ISI.....	viii
DAFTAR TABEL.....	x
DAFTAR GAMBAR.....	xi
BAB I.....	1
PENDAHULUAN.....	1
1.1 Latar Belakang Penlitian	1
1.2 Rumusan Masalah Penelitian	3
1.3 Tujuan Penelitian	3
1.4 Manfaat Penelitian	3
1.4.1 Manfaat Teoritis.....	3
1.4.2 Manfaat dari Segi Kebijakan.....	3
1.4.3 Manfaat Praktik.....	4
1.4.4 Manfaat dari Segi Isu serta Aksi Sosial	4
1.5 Struktur Organisasi.....	4
BAB II	6
KAJIAN PUSTAKA	6
2.1 Kajian Teori	6
2.1.1 Self-Concept.....	6
2.1.2 Aspek-Aspek Self-Concept	7
2.1.3 Physical Self-Concept	7
2.1.4 Aspek-Aspek Physical Self-Concept.....	8
2.1.5 Aktifitas Fisik	9
2.1.6 Aplikasi Mobile	10
2.2 Penelitian Terdahulu	10
2.3 Teori Relevan.....	11

2.4 Kerangka Berpikir	12
2.5 Hipotesis Penelitian.....	12
BAB III.....	13
METODE PENELITIAN	13
3.1 Desain Penelitian.....	13
3.2 Partisipan.....	13
3.3 Populasi dan Sampel	14
3.4 Instrumen Penelitian.....	15
3.5 Prosedur Penelitian.....	15
3.6 Analisis Data	16
BAB IV	17
TEMUAN DAN PEMBAHASAN.....	17
4.1 Temuan Penelitian.....	17
4.1.1. Deskripsi Data Temuan Penelitian.....	17
4.1.2. Uji Normalitas Data	18
4.1.3. Uji Homogenitas	18
4.1.4. Uji Hipotesis	19
4.2 Pembahasan Temuan Penelitian.....	20
BAB V.....	22
SIMPULAN IMPLIKASI DAN REKOMENDASI	22
5.1 Simpulan	22
5.2 Implikasi.....	22
5.3 Rekomendasi	22
DAFTAR PUSTAKA	23

DAFTAR TABEL

Tabel 3.1 Pretest – Post Test Control Group Design	13
Tabel 4.2 Rata-rata Physical Self-Concept Berdasarkan Jenis Kelamin.....	17
Tabel 4.3 Deskriptif Statistik	17
Tabel 4.4 Uji Normalitas.....	18
Tabel 4.5 Uji Homogenitas	19
Tabel 4.6 Uji Hipotesis Wilcoxon.....	19
Tabel 4.7 Uji Hipotesis Mann-Whitney	20

DAFTAR GAMBAR

Gambar 2.1 Kerangka Berfikir.....	12
Gambar 3.2 Grafik Jenis Kelamin.....	14

DAFTAR LAMPIRAN

Lampiran 1 Dosen Pembimbing.....	28
Lampiran 2 Surat Izin Penelitian.....	29
Lampiran 3 Surat Keputusan.....	30
Lampiran 4 Form Persetujuan.....	33
Lampiran 5 PSDQ-S	34
Lampiran 6 Output SPSS	36
Lampiran 7 Surat Bebas Pinjam Perpustakaan	38
Lampiran 8 Bebas Pinjam Alat FPOK	39
Lampiran 9 Bebas Pinjam Alat LAB	40
Lampiran 10 Aplikasi Mahasiswa Bugar	41
Lampiran 11 Dokumentasi Penelitian.....	43
Lampiran 12 Kartu Bimbingan	44

DAFTAR PUSTAKA

- Albert Bandura. (1986). *Social Foundations of Thought and Action A Social Cognitive Theory*. Prentice-Hall.
- Aşçı, F. H. (2003). The effects of physical fitness training on trait anxiety and physical self-concept of female university students. *Psychology of Sport and Exercise*, 4(3), 255–264. [https://doi.org/10.1016/S1469-0292\(02\)00009-2](https://doi.org/10.1016/S1469-0292(02)00009-2)
- Balsalobre, F. J. B., Sánchez, G. F. L., & Suárez, A. D. (2014). Relationships between Physical Fitness and Physical Self-concept in Spanish Adolescents. *Procedia - Social and Behavioral Sciences*, 132, 343–350. <https://doi.org/10.1016/j.sbspro.2014.04.320>
- Barkley, J. E., Lepp, A., Santo, A., Glickman, E., & Dowdell, B. (2020). The relationship between fitness app use and physical activity behavior is mediated by exercise identity. *Computers in Human Behavior*, 108. <https://doi.org/10.1016/j.chb.2020.106313>
- Byrne, R. A. B. dan D. (2004). *Psikologi sosial jilid 1*. Jakarta : Erlangga.
<http://kin.perpusnas.go.id/DisplayData.aspx?pId=30665&pRegionCode=JIU NMAL&pClientId=111>
- Chen, L., & Yang, X. (2019). Using EPPM to Evaluate the Effectiveness of Fear Appeal Messages Across Different Media Outlets to Increase the Intention of Breast Self-Examination Among Chinese Women. *Health Communication*, 34(11), 1369–1376. <https://doi.org/10.1080/10410236.2018.1493416>
- Chen, T., Hui, E. C. M., Lang, W., & Tao, L. (2016). People, recreational facility and physical activity: New-type urbanization planning for the healthy communities in China. *Habitat International*, 58, 12–22. <https://doi.org/10.1016/j.habitatint.2016.09.001>
- Craven, R. G., & Marsh, H. W. (2008). The centrality of the self-concept construct for psychological wellbeing and unlocking human potential: Implications for child and educational psychologists. *Educational and Child Psychology*, 25(2), 104–118.
- Dale, L. P., Vanderloo, L., Moore, S., & Faulkner, G. (2019). Physical activity and depression, anxiety, and self-esteem in children and youth: An umbrella

- systematic review. *Mental Health and Physical Activity*, 16, 66–79.
<https://doi.org/10.1016/j.mhpa.2018.12.001>
- Daniels, D. (2000). Business management - Emerging marketplace demands printers put emphasis on employees' motivational drives. *Instant and Small Commercial Printer*, 19(6), 40.
- Dolgener, F. A., Hensley, L. D., Marsh, J. J., & Fjelstul, J. K. (1994). Validation of the rockport fitness walking test in college males and females. *Research Quarterly for Exercise and Sport*, 65(2), 152–158.
<https://doi.org/10.1080/02701367.1994.10607610>
- Dugard, P., & Todman, J. (1995). Analysis of Pre-test-Post-test Control Group Designs in Educational Research. *Educational Psychology*, 15(2), 181–198.
<https://doi.org/10.1080/0144341950150207>
- Dunton, G. F., Schneider, M., Graham, D. J., & Cooper, D. M. (2006). Physical activity, fitness, and physical self-concept in adolescent females. *Pediatric Exercise Science*, 18(2), 240–251. <https://doi.org/10.1123/pes.18.2.240>
- Esnaola, I., & Zulaika, L. M. (2009). Physical activity and physical self-concept in a sample of middle-age basque adults. *Perceptual and Motor Skills*, 108(2), 479–490. <https://doi.org/10.2466/PMS.108.2.479-490>
- Fox, K.R.; Corbin, C. . (1989). The physical self-perception profile: Development and preliminary validation. *J. Sport Exerc. Psychol*, 11, 408–43.
- Gónzalez Fernández, O. (2011). La presión sociocultural percibida sobre el autoconcepto físico: naturaleza, medida y variabilidad. In *Servicio Editorial de la Universidad del País Vasco*.
- http://www.ehu.es/argitalpenak/images/stories/tesis/Ciencias_Sociales/GONZALEZ_FERNANDEZ OSCAR.pdf
<http://www.psikor.es/images/docs/tesis/la-presion-sociocultural-percibida-sobre-el-autoconcepto-fisico-naturaleza-medida-y-variabilidad.pdf>
- Gorospe, J., & Ferrer, V. C. (2022). Physical Self-Concept and Physical Activity Levels between Physical Education Major and Non-Physical Education Major College Students. *Technium Social Sciences Journal*, 33(July), 227–236. <https://doi.org/10.47577/tssj.v33i1.6849>

- Gram, M., Dahl, R., & Dela, F. (2014). Physical inactivity and muscle oxidative capacity in humans. *European Journal of Sport Science*, 14(4), 376–383. <https://doi.org/10.1080/17461391.2013.823466>
- Hagger, M. S., Biddle, S. J. H., & Wang, C. K. J. (2005). Physical self-concept in adolescence: Generalizability of a multidimensional, hierarchical model across gender and grade. *Educational and Psychological Measurement*, 65(2), 297–322. <https://doi.org/10.1177/0013164404272484>
- Higgins, J. P. (2016). Smartphone Applications for Patients' Health and Fitness. In *American Journal of Medicine* (Vol. 129, Issue 1). Elsevier Ltd. <https://doi.org/10.1016/j.amjmed.2015.05.038>
- International, C. C.-L. A. 4. . (2009). *Research Population*. Explorable.Com. <https://doi.org/https://explorable.com/research-population>
- Jack R. Fraenkel, Norman E. Wallen, H. H. H. (2012). *HOW TO DESIGN AND EVALUATE RESEARCH IN EDUCATION*. McGraw-Hill.
- Jacobs, J. E., Lanza, S., Osgood, D. W., Eccles, J. S., & Wigfield, A. (2002). Changes in children's self-competence and values: Gender and domain differences across grades one through twelve. *Child Development*, 73(2), 509–527. <https://doi.org/10.1111/1467-8624.00421>
- Jajat, J., Suherman, A., Hidayat, Y., & Mulyana, M. (2019). *Physical Self-Concept of High School Students*. 11(Icsshpe 2018), 133–135. <https://doi.org/10.2991/icsshpe-18.2019.38>
- Janz, N. K., Champion, V. L., Strecher, V. J. (2002). The Health Belief Model. *San Francisco: Jossey-Bass, Health behavior and health education: theory, research, and practice*, 45–66.
- Jekauc, D., Wagner, M. O., Herrmann, C., Hegazy, K., & Woll, A. (2017). Does physical self-concept mediate the relationship between motor abilities and physical activity in adolescents and young adults? *PLoS ONE*, 12(1), 1–18. <https://doi.org/10.1371/journal.pone.0168539>
- Kay Deaux, Lawrence S. Wrightsman, F. C. D. (1993). *Social Psychology in the '90s* (Sixth edit). Pacific Grove, Calif. : Brooks/Cole Pub. Co.
- Kim, I., & Ahn, J. (2021). The effect of changes in physical self-concept through participation in exercise on changes in self-esteem and mental well-being.

- International Journal of Environmental Research and Public Health*, 18(10).
<https://doi.org/10.3390/ijerph18105224>
- Kurniawan, R., Jajat, & Sutisna, N. (2019). Physical Self-Concept dan Aktivitas Fisik Remaja SMA. *Jurnal Terapan Ilmu Keolahragaan*, 4(2), 78–83.
<http://ejournal.upi.edu/index.php/JTIKOR/>
- Marsh, H. W., Morin, A. J. S., & Parker, P. D. (2015). Physical self-concept changes in a selective sport high school: A longitudinal cohort-sequence analysis of the big-fish-little-pond effect. *Journal of Sport and Exercise Psychology*, 37(2), 150–163. <https://doi.org/10.1123/jsep.2014-0224>
- Marsh, H. W., Richards, G. E., Johnson, S., Roche, L., & Tremayne, P. (1994). Physical Self-Description Questionnaire: Psychometric Properties and a Multitrait-Multimethod Analysis of Relations to Existing Instruments. *Journal of Sport and Exercise Psychology*, 16(3), 270–305.
<https://doi.org/10.1123/jsep.16.3.270>
- RB. Burns. (1993). *Konsep diri : Teori, pengukuran, perkembangan dan perilaku* (C. 1 (ed.)). Jakarta Arcan.
- Rogers, C. R. (1959). A Theory of Therapy, Personality, and Interpersonal Relationships: As Developed in the Client-Centered Framework. In S. Koch (Ed.), New York: McGraw Hill., 3, p. 184(Psychology: A Study of a Science. Formulations of the Person and the Social Context).
- Shavelson, R. J. (1980). Self-Concept: Recent Developments in Theory and Methods. *New Directions for Testing and Measurement*, September.
<https://eric.ed.gov/?id=EJ241540>
- Shukla, S. (2020). Concept of Population and Sample. *How to Write a Research Paper*, June, 1–6.
https://www.researchgate.net/publication/346426707_CONCEPT_OF_POPULATION_AND_SAMPLE
- Suherman, A. (2019). Aktivita S Fisik Dan Kebugaran Jasmani. *Aktivitas Fisik Dan Kebugaran Jasmani*, 1–123.
- Suherman, A., Sultoni, K., & Jajat. (2021). Development of smartphone application for personalized physical fitness education for university students in COVID-19 pandemic era. *Journal of Engineering Research (Kuwait)*, 9,

- 1–15. <https://doi.org/10.36909/jer.ASSEE.16057>
- Suherman, A., Sultoni, K., Jajat, Risma, & Kristi Agust. (2019). *Physical Self Concept And Physical Activity Among University Students*. December. <https://doi.org/10.2991/icesshum-19.2019.75>
- Sulton, K., Suherman, A., & Jajat, J. (2018). *Physical Self-Concept through Fitness Education Program on University Student*. April 2020, 830–833. <https://doi.org/10.5220/0007071508300833>
- Tekno. (2020). *Pengertian Keunggulan & Manfaat Mobile Apps*. Majapahit Teknologi.
- Trautwein, U., & Möller, J. (2016). *Self-Concept: Determinants and Consequences of Academic Self-Concept in School Contexts*. 187–214. https://doi.org/10.1007/978-3-319-28606-8_8
- Universitas Pendidikan Indonesia. (2019). *Pedoman Penulisan Karya Ilmiah UPI Tahun 2019*.
- Vinnikova, A., Lu, L., Wei, J., Fang, G., & Yan, J. (2020). The use of smartphone fitness applications: The role of self-efficacy and self-regulation. *International Journal of Environmental Research and Public Health*, 17(20), 1–16. <https://doi.org/10.3390/ijerph17207639>
- Wahid. (2021). *Pertumbuhan Aplikasi Kesehatan dan Fitness Terus Berlanjut di Tahun 2021*. Marketing.Co.Id. <https://www.marketing.co.id/pertumbuhan-aplikasi-kesehatan-dan-fitness-terus-berlanjut-di-tahun-2021/>
- Wani, S. R. (2017). Edu/Research Methodology/Sampling. *Population and Sample*, 1–7.
- WHO. (2010). *Physical Activity*. WHO.
- WHO. (2020). *Physical activity*. WHO.
- William H. Fitts. (1971). *The Self Concept And Self – Actulization*. Western Psychological Service. <https://lib.ui.ac.id/detail.jsp?id=20113320>
- Yu, J., Sit, C. H. P., Capio, C. M., Burnett, A., Ha, A. S. C., & Huang, W. Y. J. (2016). Fundamental movement skills proficiency in children with developmental coordination disorder: Does physical self-concept matter? *Disability and Rehabilitation*, 38(1), 45–51. <https://doi.org/10.3109/09638288.2015.1014067>