

**PENGARUH PROGRAM FUNDAMENTAL MOTOR SKILLS DAN
SOCIOECONOMIC STATUS TERHADAP KETERAMPILAN
MOTORIK DAN KARAKTER SISWA
TAMAN KANAK-KANAK**

DISERTASI

diajukan untuk memenuhi sebagian syarat untuk memperoleh
gelar Doktor Pendidikan Olahraga



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TERHADAP KETERAMPILAN MOTORIK DAN KARAKTER SISWA TAMAN KANAK-KANAK*
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Universitas Pendidikan Indonesia

Nuridin Widya Pranoto
Universitas Pendidikan Indonesia
2021

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PENGARUH PROGRAM FUNDAMENTAL MOTOR SKILLS DAN SOCIOECONOMIC STATUS TERHADAP KETERAMPILAN MOTORIK DAN KARAKTER SISWA TAMAN KANAK-KANAK

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Abstrak

Nuridin Widya Pranoto, S.Pd.,M.Or. 1707659 Pengaruh Program Fundamental Motor Skills dan Socioeconomic Status Terhadap Keterampilan Motorik dan Karakter Siswa Taman Kanak-Kanak.

Tujuan penelitian untuk mengetahui pengaruh program *fundamental motor skills (FMS)* pembelajaran kinestetik siswa TK Indonesia (PKSTI) yang dilakukan sebanyak 12 kali pertemuan dalam waktu 6 minggu dan kondisi *socioeconomic status (SES)* siswa terhadap keterampilan motorik dan nilai-nilai karakter siswa taman kanak-kanak (TK). Penelitian ini merupakan penelitian eksperimen dengan rancangan *factorial designs*. Pengambilan sampel mempergunakan *purposive sampling*, diperoleh 80 siswa TK Al Hairiah yang terbagi ke dalam 4 kelompok, 20 siswa SES prasejahtera *FMS* intervensi, 20 siswa SES prasejahtera *FMS* reguler, 20 siswa SES sejahtera *FMS* intervensi, 20 siswa SES sejahtera *FMS* reguler. Pengumpulan data dilakukan mempergunakan instrumen sosial ekonomi, *Test of Gross Motor Development-2 (TGMD-2)*, dan instrumen nilai karakter. Analisis data dilakukan mempergunakan uji *Analysis of Variance (ANOVA)* dua arah pada taraf signifikansi $\alpha=0,05$. Hasil penelitian diketahui bahwa siswa kelompok *FMS* PKSTI secara signifikan memperoleh keterampilan motorik dan nilai-nilai karakter yang lebih besar dibandingkan siswa pada kelompok *FMS* reguler dengan nilai sig $0,000<0,05$. Tidak adanya interaksi program pembelajaran *FMS* dan SES terhadap keterampilan motorik dan karakter siswa. Siswa kelompok *FMS* PKSTI SES sejahtera memiliki nilai motorik dan karakter yang lebih baik dibandingkan siswa kelompok *FMS* reguler SES sejahtera. Siswa kelompok *FMS* PKSTI SES prasejahtera memiliki nilai motorik dan karakter yang lebih baik dibandingkan siswa kelompok *FMS* reguler SES prasejahtera. Berdasarkan hasil penelitian dapat disimpulkan bahwa pembelajaran *FMS* PKSTI efektif meningkatkan keterampilan motorik dan nilai-nilai karakter siswa TK dibandingkan pembelajaran *FMS* reguler baik pada kelompok SES sejahtera maupun SES prasejahtera.

Kata Kunci: *Fundamental Motor Skills, Socioeconomic Status, Karakter, Siswa Taman Kanak-Kanak*

ABSTRACT

Nuridin Widya Pranoto, S.Pd.,M.Or. 1707659 The Influence of Fundamental Motor Skills Program and Socioeconomic Status on Motor Skills and Characteristics of Kindergarten Students

The purpose of the study was to determine the effect of the kinesthetic learning fundamental motor skills (FMS) program for Indonesian Kindergarten students (PKSTI) which was conducted 12 times in 6 weeks and the students' socioeconomic status (SES) on motor skills and character values of kindergarten students. childhood (kindergarten). This research is an experimental research with factorial designs. Sampling using purposive sampling, obtained 80 Al Hairiah Kindergarten students who were divided into 4 groups, 20 SES underprivileged FMS students from intervention, 20 SES students from FMS regular FMS, 20 SES prosperous FMS students from intervention, 20 students from SES Prosperous FMS regular. Data collection was carried out using socio-economic instruments, Test of Gross Motor Development-2 (TGMD-2), and character values instruments. Data analysis was performed using a two-way Analysis of Variance (ANOVA) test at a significance level of =0.05. The results showed that students in the PKSTI FMS group had significantly greater motor skills and character values than students in the regular FMS group with a sig value of 0.000 <0.05. There is no interaction between FMS and SES learning programs on motor skills and students' character. The students of the prosperous SES PKSTI FMS group have better motor and character values than the prosperous SES regular group students. The preprosperous SES PKSTI FMS group students have better motor and character values than the poor SES regular group students. Based on the results of the study, it can be concluded that PKSTI FMS learning is effective in improving motor skills and character values of kindergarten students compared to regular FMS learning in both the prosperous SES and underprivileged SES groups.

Keywords: Fundamental Motor Skills, Socioeconomic Status, Character, Kindergarten Students

DAFTAR ISI

	Halaman
COVER	i
LEMBAR HAK CIPTA.....	ii
LEMBAR PENGESAHAN	iii
LEMBAR PERNYATAAN	iv
UCAPAN TERIMA KASIH	v
ABSTRAK	vii
DAFTAR ISI	ix
DAFTAR TABEL	xii
DAFTAR DIAGRAM	xiv
DAFTAR GAMBAR	xv
DAFTAR LAMPIRAN	xvi
BAB I. PENDAHULUAN	
1.1. Latar Belakang Masalah.....	1
1.2. Rumusan Masalah	11
1.3. Tujuan Penelitian	11
1.4. Manfaat Penelitian	12
1.4.1 Teoritis	12
1.4.2 Segi Kebijakan	12
1.4.2 Praktis	12
1.4.4 Segi Isu serta Aksi Sosial	12
1.5. Struktur Organisasi Disertasi	13
BAB II. KAJIAN PUSTAKA	
2.1 Landasan Teori	14
2.1.1 <i>Fundamental Motor Skills</i>	14
2.1.1.1 Terminologi <i>FMS</i>	14
2.1.1.2 Waktu Pengembangan <i>FMS</i>	15
2.1.1.3 Manfaat kepemilikan <i>FMS</i>	16
2.1.1.4 Program <i>FMS</i> Reguler di TK	17
2.1.1.5 Program <i>FMS</i> PKSTI	18
2.1.2 <i>Socioeconomic Status</i>	24

2.1.2.1 Katagori SES	24
2.1.2.3 Pengaruh SES Terhadap Keterampilan Motorik	27
2.1.2.3 Pengaruh SES Terhadap Nilai-Nilai Karakter	28
2.1.3 Motorik	29
2.1.3.1 Proses Terjadinya Motorik	29
2.1.3.2 Belajar Motorik	31
2.1.3.3 Keterampilan Motorik	34
2.1.3.4 Perkembangan Keterampilan Motorik	36
2.1.4 Karakter	40
2.1.4.1 Pendidikan Karakter Bagi Siswa TK	40
2.1.4.2 Faktor Yang Mempengaruhi Pembentukan Karakter	51
2.1.4.3 Keterkaitan Pembelajaran <i>FMS</i> Dengan Karakter	54
2.1.4.4 Komponen Yang Mempengaruhi Keberhasilan ProgramTK	56
2.1.5 Kurikulum TK	58
2.2 Penelitian yang Relevan	62
2.3 Kerangka Berpikir	68
2.4 Hipotesis	72
BAB III. METODE PENELITIAN	
3.1. Metode Penelitian	73
3.2. Desain Penelitian	73
3.3. Partisipan	74
3.4. Populasi dan Sampel	74
3.4.1 Populasi	74
3.4.2 Sampel	75
3.5. Definisi Oprasional	77
3.6. Tempat dan Waktu Penelitian	77
3.7. Langkah-langkah Penelitian	77
3.8. Validasi Internal dan Eksternal	81
3.8.1 Validasi Internal	81
3.8.2 Validasi Eksternal	82
3.9. Instrumen Penelitian	83
3.9.1 Instrumen <i>Socioeconomis Status</i>	83

3.9.3 Instrumen Keterampilan Motorik	85
3.9.3 Instrumen Karakter	88
3.10 Analisis Data	90
BAB IV TEMUAN DAN PEMBAHASAN	
4.1 Temuan Penelitian	92
4.1.1 Deskripsi Data	92
4.1.1.1 Data <i>Post Test</i> Keterampilan Motorik dan Karakter	92
4.1.1.2 Data <i>Socioeconomics Status</i> Siswa	95
4.1.1.3 Data Keterampilan Motorik Siswa	96
4.1.1.4 Data Karakter Siswa	101
4.2 Uji Prasyarat Analisis	108
4.2.1 Uji Normalitas	108
4.2.2 Uji Homogenitas	109
4.3 Uji Hipotesis	110
4.3.1 Uji Anova	110
4.3.2 Uji Tukey	115
4.4 Pembahasan	120
4.4.1 Temuan Pertama	120
4.4.2 Temuan Kedua`	122
4.4.3 Temuan Ketiga	126
4.4.4 Temuan Keempat	128
BAB V KESIMPULAN IMPLIKASI DAN REKOMENDASI	
5.1 Simpulan	130
5.2 Implikasi	132
5.3 Rekomendasi	134
Daftar Rujukan	135
LAMPIRAN	152

DAFTAR TABEL

	Halaman
Tabel 2.1 Pemetaan Rumusan Kompetensi Inti	59
Tabel 2.2 Penjabaran Kompetensi Dasar	60
Tabel 3.1 Desain Penelitian Faktorial 2x2	74
Tabel 3.2 Kisi-Kisi Program <i>FMS PKSTI</i>	79
Tabel 3.3 <i>Effectiveness of Experimental counterbalanced Design</i>	81
Tabel 3.4 <i>Major External Validity Concern</i>	82
Tabel 3.5 Kisi-Kisi Instrumen <i>Socioeconomic</i>	84
Tabel 3.6 Struktur Item Tes TGMD-2	86
Tabel 3.7 Deskripsi <i>Reting Subtest Standard Scores and Gross Motor Quotient</i>	86
Tabel 3.8 Instrumen Penilaian Nilai-Nilai Karakter Anak	89
Tabel 4.1 Deskripsi Data Keterampilan Motorik	92
Tabel 4.2 Deskripsi Data Nilai-Nilai Karakter	93
Tabel 4.3 Deskripsi Data Keterampilan Motorik dan Karakter	93
Tabel 4.4 Data Kondisi <i>Socioeconomic Status</i> Siswa TK	95
Tabel 4.5 Data <i>Pre Test</i> Keterampilan Motorik Siswa TK	97
Tabel 4.6 Data <i>Post Test</i> Keterampilan Motorik Siswa	98
Tabel 4.7 Data <i>Pre Test</i> Dan <i>Post Test</i> TGMD-2 Siswa TK	99
Tabel 4.8 Data Pre Test Penilaian Karakter Siswa	102
Tabel 4.9 Data <i>Post Test</i> Penilaian Karakter Siswa	103
Tabel 4.10 Data <i>Pre Test</i> dan <i>Post Test</i> Karakter Siswa TK	104
Tabel 4.11 Data <i>Pre Test</i> dan <i>Post Test</i> Motorik dan Karakter	106
Tabel 4.12 Uji Normalitas Keterampilan Motorik	108
Tabel 4.13 Uji Normalitas Nilai-Nilai Karakter	109
Tabel 4.14 Uji Homogenitas Ketrampilan Motorik	109
Tabel 4.15 Uji Homogenitas Nilai-Nilai Karakter	110
Tabel 4.16 Hasil Uji Anova Terhadap Keterampilan Motorik	110
Tabel 4.17 Hasil Uji <i>Anova</i> Terhadap Karakter	111
Tabel 4.18 <i>Descriptive Statistics</i> Keterampilan Motorik	112
Tabel 4.19 <i>Descriptive Statistics</i> Karakter	112
Tabel 4.20 Data <i>Mean</i> Variabel Keterampilan Motorik	113

Tabel 4.21 Data <i>Mean</i> Variabel Karakter	114
Tabel 4.22 <i>Multipele Comparison</i> Keterampilan Motorik.....	115
Tabel 4.23 <i>Tukey HSD</i> Keterampilan Motorik	116
Tabel 4.24 <i>Multiple Comparisons</i> Karakter	117
Tabel 4.25 <i>Tukey HSD</i> Katakter	118
Tabel 4.26 Uji <i>Tukey</i> Keterampilan Motorik dan Karakter SES Sejahtera	119
Tabel 4.27 Uji <i>Tukey</i> Keterampilan Motorik dan Karakter SES Prasejahtera....	119

DAFTAR DIAGRAM

	Halaman
Diagram 1.1 Struktur Organisasi Disertasi	13
Diagram 2.1 Skema Terjadinya Gerak	30
Diagram 2.2 Skema Pengendalian dan Penyesuaian Aksi Motorik	30
Diagram 2.3 Faktor Yang Mempengaruhi Proses Pembelajaran Motorik	39
Diagram 4.1 Rata-Rata Keterampilan Motorik PKSTI	94
Diagram 4.2 Rata-Rata Nilai-Nilai Karakter	94
Diagram 4.3 Kondisi <i>Socioeconomic Status</i> Siswa	96
Diagram 4.4 <i>Pre Test</i> Rata-Rata Gross Motor Quotient Siswa TK	97
Diagram 4.5 <i>Post Test</i> Rata-Rata <i>Gross Motor Quotient</i> Siswa TK	99
Diagram 4.6 Perbandingan <i>Pre Test</i> dan <i>Post Test Gross Motor Quotient</i>	101
Diagram 4.7 <i>Pre Test</i> Penilaian Nilai-Nilai Karakter Siswa	102
Diagram 4.8 <i>Post Test</i> Penilaian Nilai-Nilai Karakter Siswa	104
Diagram 4.9 Perbandingan <i>Pre Test</i> dan <i>Post Test</i> Nilai-Nilai Karakter Siswa	105
Diagram 4.10 <i>Pre Test</i> dan <i>Post Test</i> Keterampilan Motorik dan Nilai-Nilai Karakter	107
Diagram 4.11 Garis Interaksi Program <i>FMS</i> dan SES Terhadap Keterampilan Motorik	113
Diagram 4.12 Garis Interaksi Program <i>FMS</i> dan SES Terhadap Karakter	115

DAFTAR GAMBAR

Halaman

Gambar 2.1 Kurva Perubahan Belajar Motorik	33
Gambar 2.2 Perkembangan Jaringan Otak Manusia	37
Gambar 2.3 Tahapan Perkembangan Motorik	38

DAFTAR LAMPIRAN

Halaman

Lampiran 1 Instrumen socioeconomic status	151
Lampiran 2 Instrumen <i>Test of Gross Motor Skill 2</i>	160
Lampiran 3 Instrumen Nilai-Nilai Karakter	163
Lampiran 4 Kisi-Kisi Program <i>FMS PKSTI</i>	165
Lampiran 5 Program <i>FMS PKSTI</i>	169
Lampiran 6 Surat Izin Penelitian	222
Lampiran 7 Surat Telah Melaksanakan Penelitian	223
Lampiran 8 Daftar Peserta Didik	224
Lampiran 9 Daftar Siswa SES Prasejahtera	228
Lampiran 10 Daftar Siswa SES Sejahtera.....	230
Lampiran 11 Foto Pelaksanaan Tes TGMD-2	232
Lampiran 12 Dokumentasi Pelaksanaan Program <i>FMS PKSTI</i>	244
Lampiran 13 Rekap Data Kondisi SES Prasejahtera Kelas Intervensi	256
Lampiran 14 Rekap Data Kondisi SES Prasejahtera Kelas Reguler	257
Lampiran 15 Rekap Data Kondisi SES Sejahtera Kelas PKSTI	258
Lampiran 16 Rekap Data Kondisi SES Sejahtera Kelas Reguler	259
Lampiran 17 Tes Awal TGMD-2 SES Prasejahtera Kelas PKSTI	260
Lampiran 18 Tes Awal TGMD-2 SES Prasejahtera Kelas Reguler	261
Lampiran 19 Tes Awal TGMD-2 SES Sejahtera Kelas PKSTI	262
Lampiran 20 Tes Awal TGMD-2 SES Sejahtera Kelas Reguler	263
Lampiran 21 Tes Akhir TGMD-2 SES Prasejahtera Kelas PKSTI	264
Lampiran 22 Tes Akhir TGMD-2 SES Prasejahtera Kelas Reguler.....	265
Lampiran 23 Tes Akhir TGMD-2 SES Sejahtera Kelas PKSTI	266
Lampiran 24 Tes Akhir TGMD-2 SES Sejahtera Kelas Reguler	267
Lampiran 25 Tes Awal Karakter SES Prasejahtera <i>FMS PKSTI</i>	268
Lampiran 26 Tes Awal Karakter SES Prasejahtera <i>FMS Reguler</i>	269
Lampiran 27 Tes Awal Karakter SES Sejahtera <i>FMS PKSTI</i>	270
Lampiran 28 Tes Awal Karakter SES Sejahtera <i>FMS Reguler</i>	271
Lampiran 29 Tes Akhir Karakter SES Prasejahtera <i>FMS PKSTI</i>	272
Lampiran 30 Tes Akhir Karakter SES Prasejahtera <i>FMS Reguler</i>	273

Lampiran 31 Tes Akhir Karakter SES Sejahtera <i>FMS</i> PKSTI	274
Lampiran 32 Tes Akhir Karakter SES Sejahtera <i>FMS</i> Reguler	275
Lampiran 33 Output Uji SPSS	276

DAFTAR RUJUKAN

- Adkins, M. M., Bice, M. R., Dinkel, D., & Rech, J. P. (2017). Leveling the Playing Field : Assessment of Gross Motor Skills in Low Socioeconomic Children to their Higher Socioeconomic Counterparts. *International Journal of Kinesiology & Sports Scienc.* (c), 28–34.
- Aiman, S., & Yusof, S. (2015). The Relationship Between Socioeconomic Status and Fine Motor Skills Among Six-Year-Old Preschool Children. (*ICoSSEET*), 141–148. <https://doi.org/10.1007/978-981-287-691-1>.
- Aini, E. N., Slamet, S. Y., & Mulyono, H. (2015). Upaya Meningkatkan Keterampilan Gerak Tubuh Melalui Kegiatan Senam Irama Pada Anak Kelompok A Tk Al-Huda Kerten Surakarta Tahun. *Jurnal.Fkip.Uns.Ac.Id*, 1–7.
- Alessandro. (2018). Motor Competence Of Schoolchildren From Public Education In São Paulo City, Brazil. Artigo Original, 1–8. *SciELO - Scientific Electronic Library Online*. <https://doi.org/10.4025/jphyseduc.v29i1.2955>.
- Altunsöz, I. H., & Goodway, J. D. (2015). Physical Education and Sport Pedagogy SKIPing to motor competence : the influence of project successful kinesthetic instruction for preschoolers on motor competence of disadvantaged preschoolers. (April), 37–41. <https://doi.org/10.1080/17408989.2015.1017453>.
- Anita, E.P., Carli, G, Wilmarie du, P. (2021). Competency in Object Control Skills at an Early Age Benefit Future Movement Application: Longitudinal Data from the NW-CHILD Study. *International Journal of Environmental Research and Public Healt*. <https://doi.org/10.3390/ijerph18041648> .
- Asmani, J.M. (2009). *Manajemen Strategis Pendidikan Anak Usia Dini*. Yogyakarta: Diva Press.
- Baker, E. H. (2014). Socioeconomic Status, Definition. *The Wiley Blackwell Encyclopedia of Health, Illness, Behavior, and Society*, 2210–2214. doi:10.1002/9781118410868.wbehibs395
- Bakhtiar, S .(2015). *Merancang Pembelajaran Gerak Dasar Anak*. Padang. UNP Press.
- Barab, S. A., Squire, K. D., Dueber, W. (2000). A co-evolutionary model for supporting the emergence of authenticity. *Educational Technology Research and Development*, 48(2), 37–62. <https://doi.org/10.1007/BF02313400>.
- Barnett, L. M., Beurden, E. V. A. N., Morgan, P. J., Brooks, L. O., & Beard, J. R. (2008). Does Childhood Motor Skill Proficiency Predict Adolescent Fitness? *Medicine & Science in Sports & Exercise*, 40(12), 2137–2144. doi:10.1249/mss.0b013e31818160d3.

- Barnett, L. M., H. M. P., Beurden, E. Van, Ph, D., Morgan, P. J., Ph, D., ... Ph, D. (2009). Childhood Motor Skill Proficiency as a Predictor of Adolescent Physical Activity. *Journal of Adolescent Health*, 44(3), 252–259. <https://doi.org/10.1016/j.jadohealth.2008.07.004>.
- Barnett, L. M., Stodden, D., Cohen, K. E., Smith, J. J., Lubans, D. R., Lenoir, M., Morgan, P. J. (2016). Fundamental movement skills: An important focus. *Journal of Teaching in Physical Education*, 35(3), 219–225. <https://doi.org/10.1123/jtpe.2014-0209>
- Bart, O., Hajami, D., & Bar-Haim, Y. (2007). Predicting school adjustment from motor abilities in kindergarten. *Infant and Child Development*, 16(6), 597–615. doi:10.1002/icd.514
- Bartolomeo, G., & Papa, S. (2017). The Effects of Physical Activity on Social Interactions. *Journal of Sports Economics*, 152700251771729. doi:10.1177/1527002517717299
- Battaglia, G., Alesi, M., Tabacchi, G., & Palma, A. (2019). The Development of Motor and Pre-literacy Skills by a Physical Education Program in Preschool Children: A Non-randomized Pilot Trial. *Frontiers in Psychology*, 9(January), 1–10. <https://doi.org/10.3389/fpsyg.2018.02694>
- Bean, C., & Forneris, T. (2016). Examining the Importance of Intentionally Structuring the Youth Sport Context to Facilitate Positive Youth Development. *Journal of Applied Sport Psychology*, 28(4), 410–425. doi:10.1080/10413200.2016.1164764
- Beland, K. (2003). *Creating a caring school community*: Vol. 4. A guide to Principle 4 of the eleven principles of effective character education. K. Beland (Series Ed.), Eleven principles sourcebook: How to achieve quality character education in K–12 schools. Washington, DC: Character Education Partnership.
- Bellows, A. L. L., Davies, P. L., Jimikaye, B., Gavin, W. J., Johnson, S. L., & Richard, E. (2017). Motor Skill Development in Low-Income, At-risk Preschoolers: A Community-Based Longitudinal Intervention Study. *Journal of Science and Medicine in Sport*. <https://doi.org/10.1016/j.jsams.2017.04.003>
- Berzofsky, M., Smiley-mcdonald, H., Moore, A., & Krebs, C. (2014). Measuring Socioeconomic Status (SES) in the NCVS: Background , Options , and Recommendations. *RTI International*. (0213170).
- Bidzan-bluma, I., & Lipowska, M. (2018). Physical Activity and Cognitive Functioning of Children: A Systematic Review. *Environmental Research and Public Health*. <https://doi.org/10.3390/ijerph15040800>.

- Birnbaum, J., Geyer, C., Kirchberg, F., Manios, Y., & Koletzko, B. (2016). Effects of a kindergarten-based, family-involved intervention on motor performance ability in 3- to 6-year-old children: the ToyBox-study. *Journal of Sports Sciences*, 35(4), 377–384. doi:10.1080/02640414.2016.1166390.
- Blaževi, I. (2016). Family , Peer and School Influence on Children ' s Social Development. *World Journal of Education*, 6(2), 42–49. <https://doi.org/10.5430/wje.v6n2p42>.
- Bremer, E., & Cairney, J. (2016). Fundamental Movement Skills and Health-Related Outcomes: A Narrative Review of Longitudinal and Intervention Studies Targeting Typically Developing Children. *American Journal of Lifestyle Medicine*, 12(2), 148–159. doi:10.1177/1559827616640196.
- Brian, A., Goodway, J. D., Logan, J. A., & Sutherland, S. (2016). SKIPing with teachers: an early years motor skill intervention. *Physical Education and Sport Pedagogy*, 22(3), 270–282. doi:10.1080/17408989.2016.1176133.
- Bürgi, F., Meyer, U., Granacher, U., Schindler, C., Marques-Vidal, P., Kriemler, S., & Puder, J. J. (2011). Relationship of physical activity with motor skills, aerobic fitness and body fat in preschool children: A cross-sectional and longitudinal study (Ballabeina). *International Journal of Obesity*, 35(7), 937–944. <https://doi.org/10.1038/ijo.2011.54>
- Burns, R. D., Byun, W., & Brusseau, T. A. (2019). Gross Motor Skills Predict Classroom Behavior in Lower-Income Children. *Frontiers in Sports and Active Living*, 1. doi:10.3389/fspor.2019.00029
- Cahyaningrum, E.S., Sudaryanti, N, A. P. (2017). Pengembangan Nilai-Nilai Karakter Anak Usia Dini Melalui Pembiasaan Dan Keteladanan Eka. *Jurnal Pendidikan Anak*, 203–213. <https://doi.org/doi.org/10.21831/jpa.v6i2.17707>
- Capelle, A. A. Van, Broderick, C. R., Doorn, V., Ward, R. E., & Parmenter, B. J. (2016). Interventions to Improve Fundamental motor skills in Pre-school Aged Children: A Systematic Review and Meta-Analysis. *Journal of Science and Medicine in Sport*. <https://doi.org/10.1016/j.jsams.2016.11.008>
- Choi, H. S., Johnson, B., & Kim, Y. K. (n.d.). Children ' s Development Through Sports Competition : Derivative , Adjustive , Generative , and Maladaptive Approaches Children ' s Development Through Sports Competition : *Derivative , Adjustive , Generative,* (July 2014), 37–41. <https://doi.org/10.1080/00336297.2013.861757>
- Churcher, M. (2016). When Adam met Sally: The Transformative Potential of Sympathy. *Social Epistemology*, 30(4), 420–439. doi:10.1080/02691728.2015.1119910
- Cohen, K. E., Morgan, P., Plotnikoff, R. C., et al (2014). Fundamental movement skills and physical activity among children living in low-income communities: A cross-sectional study. *International Journal of Behavioral Nutrition and Physical Activity*, 11, 58–74.

- Colella, D., & Morano, M. (2011). Gross motor development and physical activity in kindergarten age children. *International Journal of Pediatric Obesity*, 6(S2), 33–36. doi:10.3109/17477166.2011.613661.
- Costello,K & Joe Warne | (2020) A four-week fundamental motor skill intervention improves motor skills in eight to 10-year-old Irish primary school children. <https://doi.org/10.1080/23311886.2020.1724065>
- Creswell, John W. 2015. *Penelitian Kualitatif & Desain Riset*. Yogyakarta : Pustaka Pelajar.
- Crosatti, S., Henrique, D., Coledam, C., Stabelini, A., Gonc, R., Ramos, A., & Oliveira, D. (2016). Revista Paulista School environment , sedentary behavior and physical activity in preschool children. *Pediatria*, (xx). <https://doi.org/doi.org/10.1016/j.rppede.2016.02.003>
- Daroyah, M. Jaya M. Surahman, M. (2018). Perkembangan Fisik Motorik Kasar Anak Usia Dini Melalui Aktivitas Bermain Senam Fantasi Muftichatul. *Jurnal.Fkip.Unila.Ac.Id*, (1).
- Deckers, T., Falk, A., Kosse, F., Schildberg-hörisch, H. (2015). How Does Socio-Economic Status Shape a Child ' s How Does Socio-Economic Status Shape a Child ' s Personality ?. *Institute for the Study of Labor* (8977).
- Derri, V., Sparris, D., Bebetsos, E., Kouli, O., & Filippou, F. (2014). Hostile Behaviors in Preschoolers' Physical Play: Gender Effects. *Procedia - Social and Behavioral Sciences*, 152, 772–777. doi:10.1016/j.sbspro.2014.09.319
- Eberle, S. G. (2011). Playing with the Multiple Intelligences: How Play Helps Them Grow. *American Journal of Play*, 4(1), 19–51.
- Eleftheria, B., Kafenia, B., & Andreou, E. (2013). Classroom Behavior Management Practices In Kindergarten Classrooms : *An Observation Study* . 93–107.
- Engel, A., Broderick, C., Ward, R., & Parmenter, B. (2018). The Effect of a Fundamental motor skills Intervention in a Preschool Setting on Fundamental motor skills and Physical Activity : A Cluster Randomised Controlled Trial. *Clinical Pediatrics* :3(1), 1–7. <https://doi.org/10.4172/2572-0775.1000129>.
- Etzioni, A. (2016). How Character is Built. *Kappa Delta Pi Record*. <https://doi.org/10.1080/00228958.2004.10517286>
- Evaggelinou, C. (2002). *Construct Validity of the Test of Gross Motor Development*: A Cross-Validation Approach. 483–495.
- Evans, G. W., Gonnella, C., Marcynyszyn, L. A., Gentile, L., and Salpekar, N. (2005). The role of chaos in poverty and children's socioemotional adjustment. *Psychological Science*. 16, 560–565. doi: 10.1111/j.0956-7976.2005.01575.x

- Eyre, E. L. J., Walker, L. J., & Duncan, M. J. (2017). Fundamental Movement Skills of Children Living in England: The Role of Ethnicity and Native English Language. *Journals Sage*. <https://doi.org/10.1177/0031512517745437>
- Eyre, E. L. J., Clark, C. C. T., Tallis, J., Hodson, D., Lowton-Smith, S., Nelson, C., ... Duncan, M. J. (2020). The Effects of Combined Movement and Storytelling Intervention on Motor Skills in South Asian and White Children Aged 5–6 Years Living in the United Kingdom. *International Journal of Environmental Research and Public Health*, 17(10), 3391. doi:10.3390/ijerph17103391
- Fayez, M., Ahmad, J. F., & Oliemat, E. (2016). Jordanian Kindergarten and 1st-Grade Teachers' Beliefs About Child-Based Dimensions of School Readiness. *Journal of Research in Childhood Education*, 30(3), 293–305. doi:10.1080/02568543.2016.1178195.
- Febrialismanto. (2017). Gambaran Motorik Kasar Anak Usia 4-5 Tahun Di Taman Kanak-Kanak Kecamatan Bangkinang Kabupaten Kampar Propinsi Riau. *Jurnal Pesona Dasar*, 5(2), 1–14.
- Febrianta, Y. (2017). Model Pembelajaran Motorik Yang Menyenangkan. *Jurnal Pendidikan. Ke-SD-An*, 3, 184–188.
- Firmansyah, H. (2016). *Physical Education and Caracter Education*. 6th International Conference on Educational, Management, Administration and Leadership. Atlantis Press.
- Fisher, et. al K. (2010). *Playing around in School: Implications for Learning and Educational Policy*. In Parenting. New York: Oxford University Press.
- Fraenkel, J. R., Wallen, N. E., Hyun, H. H. (2012) *How To Design and Evaluate Research In Education*. McGraw-Hill.
- Freitas, T. C. B., Gabbard, C., & Caçola, P. (2013). *Family socioeconomic status and the provision of motor affordances in the home*. 17(4), 319–327.
- Frith, E., & Loprinzi, P. D. (2019). Association Between Motor Skills and Musculoskeletal Physical Fitness Among Preschoolers. *Maternal and Child Health Journal*. doi:10.1007/s10995-019-02753-0
- Gallahue, D. L., Ozmun, J. C., & Goodway, J. (2012). *Understanding motor development: Infants, children, adolescents, adults* (7th ed.). New York, NY: McGraw-Hill.
- Ginsburg, K. R. (2014). The Importance of Play in Promoting Healthy Child Development and Maintaining Strong Parent-Child. *Pediatrics*. <https://doi.org/10.1542/peds.2006-2697>
- Gregory. (2017). *Human Motor Development* (9th ed.; Scottsdale, ed.). London and New York: Routledge.

- Griffiths, L. J., Dowda, M., Dezateux, C., & Pate, R. (2010). Associations between sport and screen-entertainment with mental health problems in 5-year-old children. *International Journal Of Behavioral Nutrition and Physical Activity*, 7 (1), 1-11.
- Gunawan, Heri. 2012. *Pendidikan Karakter, Konsep dan Implementasi*. Bandung: Alfabeta.
- Hannah & Deckers, Thomas & Falk, Armin & Kosse, Fabian, 2014. "How Does Socio-Economic Status Shape a Child's Personality?: Evidence-based Economic Policy 100285, *Verein für Socialpolitik / German Economic Association*. RePEc:zbw:vfsc14:100285.
- Handayani, H. L., Ghufron, S., Kasiyun, S. (2020). Perilaku Negatif Siswa: Bentuk, Faktor Penyebab, Dan Solusi Guru Dalam Mengatasinya. *Elementary School* 7 (2020) 215-224. doi: 10.31316/esjurnal.v7i2.760
- Hands, B. P. (2012). How fundamental are fundamental movement skills ?. *Health Sciences*. 19, 14–17.
- Hardy, L. L., Barnett, L., Espinel, P., & Okely, A. D. (2013). Thirteen-Year Trends in Child and Adolescent Fundamental Movement Skills. *Medicine & Science in Sports & Exercise*, 45(10), 1965–1970. doi:10.1249/mss.0b013e318295a9fc.
- Hardy, L. L., King, L., Farrell, L., Macniven, R., & Howlett, S. (2010). Fundamental movement skills among Australian preschool children. *Journal of Science and Medicine in Sport*, 13(5), 503–508. doi:10.1016/j.jsams.2009.05.010
- Hestbaek, L., Andersen, S. T., Skovgaard, T., Olesen, L. G., Elmose, M., Bleses, D., ... Lauridsen, H. H. (2017). Influence of motor skills training on children ' s development evaluated in the Motor skills in PreSchool (MiPS) study-DK : study protocol for a randomized controlled trial , nested in a cohort study. 1–11. <https://doi.org/10.1186/s13063-017-2143-9>
- High, P. C. (2015). School Readiness. *American Academy of Pediatrics*. <https://doi.org/10.1542/peds.2008-0079>
- Hurlock, E.B. 1999. *Psikologi Perkembangan*: Suatu Pendekatan Sepanjang Rentang Kehidupan. Alih bahasa: Istiwidayati & Soedjarwo. Edisi Kelima. Jakarta: Erlangga.
- Hoffman, M.L. (2000), *Empathy and Moral Development*: Implications for Caring and Justice, Cambridge UP, New York, NY.
- Hosokawa, R., & Katsura, T. (2018). Effect of socioeconomic status on behavioral problems from preschool to early elementary school – A Japanese longitudinal study. *PLOS ONE*, 13(5), e0197961. doi:10.1371/journal.pone.019796

- Hosokawa, R., & Katsura, T. (2017). RESEARCH ARTICLE A longitudinal study of socioeconomic status , family processes , and child adjustment from preschool until early elementary school : the role of social competence. *Child and Adolescent Psychiatry and Mental Health*, 1–28. <https://doi.org/10.1186/s13034-017-0206-z>
- Hoza, B., Smith, A. L., Shoulberg, E. K., Linnea, K. S., Dorsch, T. E., Blazo, J. A., ... McCabe, G. P. (2014). A Randomized Trial Examining the Effects of Aerobic Physical Activity on Attention-Deficit/Hyperactivity Disorder Symptoms in Young Children. *Journal of Abnormal Child Psychology*, 43(4), 655–667. doi:10.1007/s10802-014-9929-y
- Hu, H., Duan, J., Wang, G., & Arao, T. (2014). Reliability and Validity of a Chinese Version of the Students ' Attitudes toward Physical Education Scale and Its Related Factors. *Advances in Physical Education*, (November), 181–189. <https://doi.org/doi: 10.4236/ape.2014.44022>
- Iivonen, S., & Sääkslahti, A. K. (2013). Early Child Development and Care Preschool children ' s Fundamental motor skills : a review of significant determinants. *Early Child Development and Care*, 0(0), 1–20. <https://doi.org/10.1080/03004430.2013.837897>
- Inchley, J. C., Currie, D. B., Todd, J. M., et al (2005). Persistent socio-demographic differences in physical activity among Scottish schoolchildren 1990–2002. *European Journal of Public Health*, 15, 386–388.
- Indrawati, E. S. (2015). Status Sosial Ekonomi Dan Intensitas Komunikasi Keluarga Pada Ibu Rumah Tangga Di Panggung Kidul Semarang Utara. *Jurnal Psikologi Undip*, 14(1), 52–57.
- Janus, M., & Offord, D. R. (2007). Development and psychometric properties of the Early Development Instrument (EDI): A measure of children's school readiness. *Canadian Journal of Behavioural Science / Revue Canadienne Des Sciences Du Comportement*, 39(1), 1–22. doi:10.1037/cjbs2007001.
- Kaiser, T., Li, J., Pollmann-Schult, M., & Song, A. (2017). Poverty and Child Behavioral Problems: The Mediating Role of Parenting and Parental Well-Being. *International Journal of Environmental Research and Public Health*, 14(9), 981. doi:10.3390/ijerph14090981.
- Kiram, Y., (2016). *Belajar Keterampilan Motorik*. Universitas Negeri Padang.
- Kokštejn, J., Musálek, M., Šťastný, P., & Golas, A. (2017). Fundamental motor skills of Czech children at the end of the preschool period. *Acta Gymnica*, 47(4), 193–200. <https://doi.org/10.5507/ag.2017.024>.
- Kokstejn, J., Musalek, M., Wolanski, P., Murawska-cialowicz, E., & Clemente, F. M. (2019). Fundamental motor skills Mediate the Relationship Between Physical Fitness and Soccer-Specific Motor Skills in Young Soccer Players. *Frontiers In Physiology*, 10(May), 1–9. <https://doi.org/10.3389/fphys.2019.00596>.

- Kolb, B., & Gibb, R. (2015). Childhood Poverty and Brain Development. *Human Development*, 58(4-5), 215–217. doi:10.1159/000438766.
- Komaini, A., & Mardela, R. (2017). Fundamental motor skills of Kindergarten Students (A Survey Study of the Influence of Financial Condition , Playing Activity , and Nutritional Status). *Journal of Physics: Conference Series*, 755, 011001. doi:10.1088/1742-6596/755/1/011001
- Komaini, Anton. (2017). Peningkatan Keterampilan Gerak Dasar (Fundamental motor skills) Anak Melalui Pendekatan Bermain Murid Taman Kanakkanak Kota Padang. *Jurnal Sains Keolahragaan Dan Kesehatan*, 2(2), 54. <https://doi.org/10.5614/jskk.2017.2.2.6>
- Komisi Perlindungan Anak Indonesia. (2021) Dikutip Dari Laman Resmi KPAI: <https://bankdata.kpai.go.id/tabulasi-data/data-kasus-per-tahun/rincian-data-kasus-berdasarkan-klaster-perlindungan-anak-2011-2016>
- Laukkanen, A., Pesola, A., Havu, M., Sääkslahti, A., & Finni, T. (2014). Relationship between habitual physical activity and gross motor skills is multifaceted in 5- to 8-year-old children. *Scandinavian Journal of Medicine and Science in Sports*, 24(2), 1–9. <https://doi.org/10.1111/sms.12116>.
- Laura C.DappaVeneraGashajbClaudia M.Roebersa. (2021). Physical activity and motor skills in children: A differentiated approach. *Psychology of Sport and Exercise*. <https://doi.org/10.1016/j.psychsport.2021.101916>.
- Lee, Zhang, Chu, Gu, & Zhu. (2020). Effects of a Fundamental Motor Skill-Based Afterschool Program on Children's Physical and Cognitive Health Outcomes. *International Journal of Environmental Research and Public Health*, 17(3), 733. doi:10.3390/ijerph17030733.
- LeGear, M., Greyling, L., Sloan, E., Bell, R. I., Williams, B.-L., Naylor, P.-J., & Temple, V. A. (2012). A window of opportunity? Motor skills and perceptions of competence of children in Kindergarten. *International Journal of Behavioral Nutrition and Physical Activity*, 9(1), 29. doi:10.1186/1479-5868-9-29.
- Lemos, A. G., Avigo, E. L., & Barela, J. A. (2012). Physical Education in Kindergarten Promotes Fundamental Motor Skill Development. *Advances in Physical Education*, 02(01), 17–21. doi:10.4236/ape.2012.21003.
- Letourneau, N. L., Duffet-leger, L., Levac, L., Watson, B., Young-morris, C., Levac, L., ... Young-morris, C. (2013). Socioeconomic Status and Child Development : A Meta-Analysis. *Journal of Emotional and Behavioral Disorders*. <https://doi.org/10.1177/1063426611421007>.
- Lickona, Tom; Schaps, Eric; Lewis, Catherine. (2007). *CEP's Eleven Principles of Effective Character Education*. Character Education Partnership, Washington, DC.

- Liu, T., Hoffmann, C., & Hamilton, M. (2015). Motor Skill Performance by Low SES Preschool and Typically Developing Children on the PDMS-2. *Early Childhood Education Journal*. <https://doi.org/10.1007/s10643-015-0755-9>
- Logan, S. W., Robinson, L. E., Wilson, A. E., & Lucas, W. A. (2011). Getting the fundamentals of movement: a meta-analysis of the effectiveness of motor skill interventions in children. *Child: Care, Health and Development*, 38(3), 305–315. doi:10.1111/j.1365-2214.2011.01307.x
- Logan, S. W., Ross, S. M., Chee, K., Stodden, D. F., Robinson, E., Logan, S. W., Logan, S. W. (2018). Fundamental motor skills : A systematic review of terminology Fundamental motor skills : A systematic review of terminology. *Journal of Sports Sciences*, 36(7), 781–796. <https://doi.org/10.1080/02640414.2017.1340660>
- Lubans, D. R., Morgan, P. J., Cliff, D. P., Barnett, L. M., & Okely, A. D. (2010a). Fundamental movement skills in children and adolescents: Review of associated health benefits. *Sports Medicine*, 40(12), 1019–1035. <https://doi.org/10.2165/11536850-00000000-00000>
- Lutan, Rusli. (1988). *Belajar Keterampilan Motorik Pengantar Teori Dan Metode*. Jakarta: P2LPTK Ditjen Dikti Depdikbud.
- Matthew, Farwell. (2020). The Effects of Structured Physical Activity Programs for Gross Motor Development in Preschoolers. *Kinesiology, Sport Studies, and Physical Education Synthesis Projects*. 101. *Suny Brockport*. https://digitalcommons.brockport.edu/pes_synthesis/101.
- McEwen, B. (2000). Allostasis and Allostatic Load Implications for Neuropsychopharmacology. *National Library of Medicine*, 22(2), 108–124. doi:10.1016/s0893-133x(99)00129-3.
- Mcgrath, P. J., Centre, I. W. K. H., District, C., & Authority, H. (2003). Behavioral Problems , Effects of Socio-Economic Status on. In *International Encyclopedia of Social & Behavioral Sciences* (Second Edi, Vol. 2). <https://doi.org/10.1016/B978-0-08-097086-8.23052-3>
- Monteiro, F. P. M., Araujo, T. L. de, Cavalcante, T. F., Leandro, T. A., & Sampaio Filho, S. P. C. (2016). Child Growth: Concept Analysis. *Texto & Contexto - Enfermagem*, 25(2). doi:10.1590/0104-07072016003300014.
- Morgan, P. J., Barnett, L. M., Cliff, D. P., Okely, A. D., Scott, H. A., Cohen, K. E., & Lubans, D. R. (2013). Fundamental Movement Skill Interventions in Youth: A Systematic Review and Meta-analysis. *Pediatrics*, 132(5), e1361–e1383. doi:10.1542/peds.2013-1167.
- Morley, D., Till, K., Ogilvie, P., & Turner, G. (2015). Influences of gender and socioeconomic status on the motor proficiency of children in the UK. *Human Movement Science*, 44, 150–156. <https://doi.org/10.1016/j.humov.2015.08.022>.

- Mugianti, S., Setijaningsih, T., & Fransiska, K. (2018). Perkembangan Motorik Balita Obesitas Usia 3-5 Tahun (Motorik Development of 3-5 Years Old Obesity Toddler). *Jurnal Ners Dan Kebidanan*, 5(1), 46–52. <https://doi.org/DOI: 10.26699/jnk.v5i1.ART.p046-052>
- Mulyasa. (2012). *Manajemen Pendidikan Karakter*. Jakarta: PT. Bumi Aksara.
- Najafabadi, M. G., Sheikh, M., Hemayattalab, R., Amir, M., Rezaii, M., & Hafizi, S. (2018). The effect of SPARK on social and motor skills of children with autism. *Pediatrics & Neonatology*. doi:10.1016/j.pedneo.2017.12.005
- National Association for the Education of Young Children (2009). *Developmentally appropriate practice in early childhood programs serving children from birth through age 8*. <http://www.naeyc.org/files/naeyc/file/positions/PSDAP.pdf>
- Nugraha, et. al A. (2015). *Pedoman Penyusunan Kurikulum Tingkat Satuan Pendidikan (Ktsps) Pendidikan Anak Usia Dini*. Jakarta: Departemen Pendidikan Nasional. Jakarta: Direktorat Pembinaan Pendidikan Anak Usia Dini Direktorat Jenderal Pendidikan Anak Usia Dini dan Pendidikan Masyarakat Kementerian Pendidikan dan Kebudayaan.
- Nur, L., & Mulyana, E. H. (2017). Permainan Bola Kecil Untuk Meningkatkan Kelompok B Di Tk Pertiwi Dwp Kota Tasikmalaya. *Jurnal PAUD Agapedia*, 1(1), 53–65.
- Oberer, N., Gashaj, V., & Roebers, C. M. (2017). Human Movement Science Motor skills in kindergarten : Internal structure , cognitive correlates and relationships to background variables. *Human Movement Science*, 52, 170–180. <https://doi.org/10.1016/j.humov.2017.02.002>.
- Okely A. D., Booth M. L., Chey T. (2004). Relationships between body composition and fundamental movement skills among children and adolescents. *Research Quarterly for Exercise and Sport*. 2004;75(3):238–247. doi: 10.1080/02701367.2004.10609157.
- Olga C., Nicole H., Matthias S., Doris H., Tina S., Frank F. (2020). Simulation-Based Learning in Higher Education: A Meta-Analysis. *Sage Journals*. <https://doi.org/10.3102/0034654320933544>
- Olds, T., Wake, M., Patton, G., Ridley, K., Waters, E., Williams, J., & Hesketh, K. (2009). How Do School-Day Activity Patterns Differ with Age and Gender across Adolescence? *Journal of Adolescent Health*, 44(1), 64–72. doi:10.1016/j.jadohealth.2008.05.003.
- Ozyurek, A., Ozkan, I., Begde, Z., & Yavuz, N. F. (2015). Effects of Physical Training on Social Skill Levels of Preschool Children. *Journal of Sports Science*, 3, 282–289. <https://doi.org/10.17265/2332-7839/2015.06.003>.
- Pahala, C. (2015). Kemampuan Motorik Kasar Dan Halus Anak Usia 4-6 TAHUN. *Jurnal Pendidikan Jasmani Indonesia*, 11(November), 96–100.

- Palmer, K M Chinn, L. E. R. (2019). The effect of the CHAMP intervention on Fundamental motor skills and outdoor physical activity in preschoolers. *Journal of Sport and Health Science*. <https://doi.org/10.1016/j.jshs.2018.12.003>.
- Horton, Paul B., dan Chester L. Hunt. (1993). *Sosiologi*. Jilid 1 Edisi Keenam,. Jakarta: Penerbit Erlangga.
- Pedro,G., Eva, C., Marcos, C., Amaury, S., Arturo, D., Guillermo F. (2019) The Effects of an Appropriate Behavior Program on Elementary School Children Social Skills Development in Physical Education. *Movement Science and Sport Psychology*. <https://doi.org/10.3389/fpsyg.2019.01998>.
- Pellegrini, A. D., Dupuis, D., & Smith, P. K. (2007). Play in evolution and development. *Developmental Review*, 27(2), 261–276. doi:10.1016/j.dr.2006.09.001.
- Peralta, L. R., Mihrshahi, S., Bellew, B., Reece, L. J., & Hardy, L. L. (2019). Influence of School-Level Socioeconomic Status on Children's Physical Activity, Fitness, and Fundamental Movement Skill Levels. *Journal of School Health*. doi:10.1111/josh.12761.
- Peraturan Presiden Republik Indonesia No 87 tahun 2017. *Penguatan Pendidikan Karakter*. Lembaran Negara Republik Indonesia Tahun 2017 nomor 195.
- Pica. (2008). Why motor skills matter. <http://journal.naeyc.org/about/permissions.asp>.
- Pranoto, Nuridin. Widya. (2016). Pengembangan Model Pembelajaran Motorik Kasar Siswa Taman Kanak-Kanak Kelompok A. *Jurnal Keolahragaan* Volume, 4(September), 186–195. Retrieved from doi:<http://dx.doi.org/10.21831/jk.v4i2.10900>.
- Prasanti, D., & Fitriani, D. R. (2018). Pembentukan Karakter Anak Usia Dini : Keluarga , Sekolah , Dan Komunitas . *Jurnal Pendidikan Anak Usia Dini*, 2(1), 13–19.
- Puthut Dwi Putranto Nugroho . 2019/09/10. *Kasus Bully Anak SD: "Ibu Mana yang Tega Melihat Anaknya Diperlakukan Seperti Itu*. <https://regional.kompas.com/read/2019/10/09/06400021>.
- Rahyubi, H. (2012). *Teori-teori belajar dan aplikasi pembelajaran motorik*. Bandung: Nusa Media.
- Regaieg, G., Kermarrec, G., & Sahli, S. (2020). Designed game situations enhance fundamental movement skills in children with Down syndrome. *Journal of Intellectual Disability Research*. doi:10.1111/jir.12717.

- Rismayanthi, Cerika. (2013). Mengembangkan Keterampilan Gerak Dasar Sebagai Stimulasi Motorik Bagi Anak Taman Kanak-Kanak Melalui Aktivitas Jasmani. *Jurnal Pendidikan Jasmani Indonesia. Jurusan Pendidikan Olahraga Fakultas Ilmu Keolahragaan Universitas Negeri Yogyakarta*.
- Robinson, L. E., & Goodway, J. D. (2009). Instructional climates in preschool children who are at-risk. Part I: Object-control skill development. *Research Quarterly for Exercise and Sport*, 80(3), 533–542. <https://doi.org/10.1080/02701367.2009.10599591>.
- Robinson, L. E., Palmer, K. K., & Bub, K. L. (2016). Effect of the Children's Health Activity Motor Program on Motor Skills and Self-Regulation in Head Start Preschoolers: An Efficacy Trial. *Frontiers in Public Health*, 4. doi:10.3389/fpubh.2016.00173.
- Rudd, J. R., Barnett, L. M., Butson, M. L., Farrow, D., Berry, J., & Polman, R. C. J. (2015). Fundamental Movement Skills Are More than Run, Throw and Catch: The Role of Stability Skills. *Plos One*, 10(10), e0140224. doi:10.1371/journal.pone.0140224.
- Ruiz-Esteban, C., Terry Andrés, J., Méndez, I., & Morales, Á. (2020). Analysis of Motor Intervention Program on the Development of Gross Motor Skills in Preschoolers. *International Journal of Environmental Research and Public Health*, 17(13), 4891. doi:10.3390/ijerph17134891.
- Sabarini, S. S. (2017). *Pengaruh Model Pendidikan Karakter Berbasis "Games" Terhadap Tanggung Jawab Siswa Berdasarkan Gender Di Sekolah Dasar*. <http://repository.upi.edu/29864/>.
- Sallis, JF., McKenzie TL, Conway TL, Elder JP, Prochaska JJ, Brown M, Zive MM, Marshall SJ, Alcaraz JE. (2003). Environmental interventions for eating and physical activity: A randomized controlled trial in middle schools. *American Journal of Preventive Medicine*;24(3):209–217.
- Satomi D., Takeo F., Aya I., Manami O. (2019). Pathway of the Association Between Child Poverty and Low Self-Esteem: Results From a Population-Based Study of Adolescents in Japan. *Frontiers*. <https://doi.org/10.3389/fpsyg.2019.00937>.
- Setiani, R. E. (2013). Memahami Pola Perkembangan Motorik Pada Anak. *Insania*, 8, 455–470.
- SHAPE America. National Standards & Grade-Level Outcomes for K-12 Physical Education; *Human Kinetics*: Champaign, IL, USA, 2014.

- Siegfried, M., Tanja, P., Antje. K., Christof. M., Anne, J., Mandy. V., Sven. W., Andreas. H., Nico. G., Wieland. K. (2021). Motor skills in relation to body-mass index, physical activity, TV-watching, and socioeconomic status in German four-to-17-year-old children. *Journal Pone.* <https://doi.org/10.1371/journal.pone.0251738>
- Sirin, S. R. (2005). Socioeconomic status and academic achievement: a meta-analytic review of research. *Rev. Educ. Res.* 75, 417–453. doi: 10.3102/00346543075003417
- Smeddinck, J. D., Herrlich, M., Wang, X., & Zhang, G. (2018). Work Hard , Play Hard : How Linking Rewards in Games to Prior Exercise Performance Improves Motivation and Exercise Intensity. *Entertainment Computing.* <https://doi.org/10.1016/j.entcom.2018.10.001>.
- Smith, B., & Fox, L. (2003). Systems of service delivery: *A Synthesis Of Evidence Relevant To Young Children At Risk Of Or Who Have Challenging Behavior.* Tampa, FL: Center for Evidence-Based Practice: Young Children with Challenging Behavior, University of South Florida.
- Singer, RN, (1985). *Motorisches Lernen und menschliche Leistung.* Limpert Verlag GmbH, Bad. Homburg.
- Silverman, S., & Mercier, K. (2015). Teaching for physical literacy: Implications to instructional design and PETE. *Journal of Sport and Health Science*, 4(2), 150–155. doi:10.1016/j.jshs.2015.03.003.
- Sluijs, E. M. F. Van, McMinn, A. M., & Griffin, S. J. (2006). Effectiveness of interventions to promote physical activity in children and adolescents: systematic review of controlled trials. *National Library of Medicine.* 1–13. <https://doi.org/10.1136/bmj.39320.843947>.
- Stodden, D. F., Goodway, J. D., Langendorfer, S. J., Roberton, M. A., Rudisill, M. E., Garcia, C., & Garcia, L. E. (2008). A Developmental Perspective on the Role of Motor Skill Competence in Physical Activity: An Emergent Relationship. *Quest*, 60(2), 290–306. doi:10.1080/00336297.2008.10483582.
- Studies, S., & Bilgiler, S. (2019). Peer Acceptance in Early Childhood: Links to Socio-Economic Status and Social Competence. *Journal of Social Studies Education* 1. 10(4), 176–200.
- Subianto, J. (2013). Peran Keluarga, Sekolah, Dan Masyarakat Dalam Pembentukan Karakter Berkualitas. *Edukasia*, 8(2), 331–354.
- Sudfeld, C. R., Mccoy, D. C., Danaei, G., Fink, G., & Ezzati, M. (2020). Linear Growth and Child Development in Low- and Middle-Income Countries. *Pediatrics.* 135(5). <https://doi.org/10.1542/peds.2014-3111>.
- Sugiyono. (2019). *Metode penelitian kuantitatif kualitatif dan R & D.* Bandung: Alfabeta.

- Sumardi, M. (2004). *Kemiskinan dan Kebutuhan Pokok*. Jakarta: Rajawali Jakarta.
- Suminah, E., D., Ali, N., Farida, Y., Widya, A. P., (2015). *Kerangka Dasar Dan Struktur Kurikulum 2013 Pendidikan anak usia dini*. Departemen Pendidikan Nasional. Jakarta: Direktorat Pembinaan Pendidikan Anak Usia Dini Direktorat Jenderal Pendidikan Anak Usia Dini dan Pendidikan Masyarakat Kementerian Pendidikan dan Kebudayaan.
- Sunarto, Kamanto. (2004). *Pengantar Sosiologi*. Jakarta: Universitas Indonesia.
- Syamsuddin, M. A. (2004). *Psikologi Kependidikan*. Bandung: Remaja Rosdakarya.
- Syarbini, Amirullah. (2012). *Buku Pintar Pendidikan Karakter: Panduan Lengkap Mendidik Anak di Sekolah, Madrasah, dan Rumah*. Cet. I; Jakarta: As@-Prima.
- Svalastoga Kaare. (1989). *Deferensiasi Sosial*. Jakarta: Bina Aksara.
- Taunton, S. A., Mulvey, K. L., & Brian, A. S. (2018). Who SKIPS? Using Temperament to Explain Differential Outcomes of a Motor Competence Intervention for Preschoolers. *Research Quarterly for Exercise and Sport*, 89(2), 200–209. doi:10.1080/02701367.2018.1444256.
- Taylor, R. W., Williams, S. M., Farmer, V. L., & Taylor, B. J. (2013). Changes in Physical Activity over Time in Young Children: A Longitudinal Study Using Accelerometers. *Journal Pone* 8(11), 1–7. <https://doi.org/10.1371/journal.pone.0081567>.
- Tedi, W. (2016). Perubahan Jenis Permainan Tradisional Menjadi Permainan Modern Pada Anak-Anak Di Desa Ijuk Kecamatan Belitang Hulu Kabupaten Sekadau. *Sociologique*, 3. *Jurnal Untan*. <http://jurmafis.untan.ac.id>.
- Tommy, K. (2019). 41 Persen Murid Indonesia Kena Bully Bentuk Apapun. <https://www.liputan6.com/global/read/4127106/41-persen-murid-indonesia-kena-bully-bentuk-apapun-19-persen-dikucilkan>.
- Tran, T. D., Holton, S., Nguyen, H., & Fisher, J. (2019). Physical growth: is it a good indicator of development in early childhood in low- and middle-income countries? *BMC Pediatrics*, 19(1). doi:10.1186/s12887-019-1654-9.
- Uce, L. (2017). The Golden Age . *UIN Ar-Raniry*, 77–92.
- Ulrich D (2000). *Test of gross motor development: second edition*. Austin, TX: PRO-ED.
- Undang-Undang Republik INDONESIA NOMOR 20 TAHUN 2003. Tentang Sistem Pendidikan Nasional.

- Van Capelle, A., Broderick, C. R., van Doorn, N., E.Ward, R., & Parmenter, B. J. (2017). Interventions to improve fundamental motor skills in pre-school aged children: A systematic review and meta-analysis. *Journal of Science and Medicine in Sport*, 20(7), 658–666. doi:10.1016/j.jsams.2016.11.008.
- Venetsanou, F., & Kambas, A. (2009). Environmental Factors Affecting Preschoolers' Motor Development. *Early Childhood Education Journal*, 37(4), 319–327. doi:10.1007/s10643-009-0350-z.
- Wahler, R. G., Herring, M., & Edwards, M. (2001). Coregulation of balance between children's prosocial approaches and acts of compliance: A pathway to mother-child cooperation? *Journal of Clinical Child Psychology*, 30(4), 473–478. https://doi.org/10.1207/S15374424JCCP3004_04.
- Wang, M.-C., Tran, K. K., Nyutu, P. N., & Fleming, E. (2014). Doing the Right Thing: A Mixed-Methods Study Focused on Generosity and Positive Well-Being. *Journal of Creativity in Mental Health*, 9(3), 318–331. doi:10.1080/15401383.2014.890556.
- Webster, E. K., & Ulrich, D. A. (2017). Evaluation of the psychometric properties of the Test of Gross Motor Development—Third edition. *Journal of Motor Learning and Development*, 5(1), 45–58. <https://doi.org/10.1123/jmld.2016-0003>.
- Webster, E. K., Martin, C. K., & Staiano, A. E. (2018). Fundamental motor skills, screen-time, and physical activity in preschoolers. *Journal of Sport and Health Science*. doi:10.1016/j.jshs.2018.11.006.
- Wick, K., Nico, C. S. L., Thomas, D. M., Ott, L. V., Rebholz, C. E., Cruz, S., ... Gerber, N. (2017). Interventions to Promote Fundamental Movement Skills in Childcare and Kindergarten: A Systematic Review and Meta-Analysis. *Sports Medicine*. <https://doi.org/10.1007/s40279-017-0723-1>.
- Williams, H. G., Pfeiffer, K. A., Neill, J. R. O., Dowda, M., Mciver, K. L., Brown, W. H., & Pate, R. R. (2008). Motor Skill Performance and Physical Activity in Preschool Children. *Obesity*, 16(6), 1421–1426. <https://doi.org/10.1038/oby.2008.214>.
- Wnkleby, M. A., Jatulis, D. E., Frank, E., & Fortmann, S. P. (1992). Socioeconomic Status and Health: How Education , Income , and Occupation Contribute to Risk Factors for Cardiovascular Disease. *American Journal of Public Health*, 82(6).
- Wrotniak, B. H., Epstein, L. H., Dorn, J. M., Jones, K. E., & Kondilis, V. A. (2006). The Relationship Between Motor Proficiency and Physical Activity in Children. *Pediatrics*, 118(6), e1758–e1765. doi:10.1542/peds.2006-0742.
- Yıldız, V. (1999). The effect of cooperative learning and traditional teaching on the development of basic mathematical skills in pre-school children. *Education and Science Journal*, 23(111), 42–50.

- Yogman, M., Garner, A., Hutchinson, J., Hirsh-Pasek, K., & Golinkoff, R. M. (2018). The Power of Play: A Pediatric Role in Enhancing Development in Young Children. *Pediatrics*, e20182058. doi:10.1542/peds.2018-2058.
- Yürük, N. (2019). Edutainment: Using Kahoot ! As A Review Activity in Foreign Language Classrooms. *Journal of Educational Technology & Online Learning*, 2(2), 89–101. <https://doi.org/10.31681/jetol.557518>.
- Zeng, N., Johnson, S. L., Boles, R. E., & Bellows, L. L. (2019). Social-ecological correlates of fundamental movement skills in young children. *Journal of Sport and Health Science*, 8(2), 122–129. <https://doi.org/10.1016/j.jshs.2019.01.001>.
- Zhang, & Cheung. (2019). Making a Difference in PE Lessons: Using a Low Organized Games Approach to Teach Fundamental Motor Skills in China. *International Journal of Environmental Research and Public Health*, 16(23), 4618. doi:10.3390/ijerph16234618.
- Zhang, X., & Martinez-donate, A. P. (2017). Socioeconomic Status and Youth Physical Fitness: Evidence From an Upper-Middle Income Country. *The Journal of Pediatrics*, 10–11. <https://doi.org/10.1016/j.jpeds.2017.02.001>.
- Zhu, Y., Chen, X., Zhao, H., Chen, M., Tian, Y., Liu, C., Qin, S. (2019). Socioeconomic status disparities affect children's anxiety and stress hormone response through parental anxiety . *Psychoneuroendocrinology*. <https://doi.org/10.1016/j.psyneuen.2019.01.008>.
- Zuzana V., Andrea M. G., Beata G., Olga O., Jitse P. van Dijk, Sijmen A. R. (2009). Socio-economic differences in self-esteem of adolescents influenced by personality, mental health and social support. *European Journal of Public Health*, Volume 20, Issue 6, December 2010, Pages 647–652, <https://doi.org/10.1093/eurpub/ckp210>.

