

**PENGARUH MODEL PEMBELAJARAN INSTRUKSIONAL DAN  
KETERAMPILAN SOSIAL TERHADAP *LIFE SKILLS*  
DAN KETERAMPILAN MOTORIK DASAR**



**TESIS**

Diajukan untuk memenuhi sebagian dari syarat memperoleh gelar Magister  
Pendidikan pada Program Studi Pendidikan Olahraga

Oleh:

**Syaipul Hari Baharuddin  
2307479**

**PROGRAM STUDI PENDIDIKAN OLAHRAGA  
SEKOLAH PASCASARJANA  
UNIVERSITAS PENDIDIKAN INDONESIA  
2025**

## **LEMBAR HAK CIPTA**

### **PENGARUH MODEL PEMBELAJARAN INSTRUKSIONAL DAN KETERAMPILAN SOSIAL TERHADAP *LIFE SKILLS* DAN KETERAMPILAN MOTORIK DASAR**

Oleh  
Syaipul Hari Baharuddin

S.Pd Universitas Negeri Medan, 2017

Sebuah Tesis yang diajukan untuk memenuhi salah satu syarat memperoleh gelar  
Magister Pendidikan (M.Pd.) pada Program Studi Pendidikan Olahraga  
Sekolah Pascasarjana

© Syaipul Hari Baharuddin 2025  
Universitas Pendidikan Indonesia  
Agustus 2025

Hak Cipta dilindungi undang-undang.  
Tesis ini tidak boleh diperbanyak seluruhnya atau sebagian,  
dengan dicetak ulang, difoto kopi, atau cara lainnya tanpa ijin dari penulis.

## LEMBAR PENGESAHAN

### TESIS

Syaipul Hari Baharuddin

### PENGARUH MODEL PEMBELAJARAN INSTRUKSIONAL DAN KETERAMPILAN SOSIAL TERHADAP *LIFE SKILLS* DAN KETERAMPILAN MOTORIK DASAR

Disetujui dan disahkan oleh:

Pembimbing I

Pembimbing II



Dr. Agus Mahendra, M.A.

NIP. 196308241989031002



Prof. Dr. H. Amung Ma'mun, M.Pd.

NIP. 196001191986031002

Disetujui dan disahkan oleh:

Pengaji I



Dr. Nuryadi, M.Pd.

NIP. 197101171998021001

Pengaji II



Dr. Lukmannul Hagim Lubay, M.Pd.

NIP. 197508122009121004

Mengetahui,

Ketua Program Studi Pendidikan Olahraga  
Sekolah Pascasarjana Universitas Pendidikan Indonesia



Prof. Dr. Sucipto, M.Kes., AIFO.

NIP. 196106121987031002

# **PENGARUH MODEL INSTRUKSIONAL DAN KETERAMPILAN SOSIAL TERHADAP *LIFE SKILLS* DAN KETERAMPILAN MOTORIK DASAR**

Syaipul Hari Baharuddin, Agus Mahendra, Amung Ma'mun  
Universitas Pendidikan Indonesia, Bandung, Jawa Barat, Indonesia  
[syaipul.hary@upi.edu](mailto:syaipul.hary@upi.edu)

## **ABSTRAK**

Penelitian ini bertujuan untuk menganalisis perbedaan pengaruh model pembelajaran dan keterampilan sosial terhadap *life skills* dan keterampilan motorik dasar dalam konteks pembelajaran pendidikan jasmani. Penelitian ini merupakan penelitian eksperimen dengan desain faktorial 2x2. Penelitian dilaksanakan selama dua belas kali pertemuan dengan melibatkan 40 peserta didik yang terbagi ke dalam dua kelompok model pembelajaran, yaitu Model Pembelajaran TGT dan TPSR, masing-masing berjumlah 20 peserta didik MIN 7 Kota Medan. Instrumen yang digunakan adalah *Life Skills Scale for Sport* (LSSS) dan pengukuran keterampilan motorik dasar melalui *Furtado-Gallagher Children Observational Movement Pattern Assessment* (FG-COMPASS). Analisis data dilakukan menggunakan SPSS versi 29 dengan pengajuan hipotesis two way MANOVA dan uji Tukey. Hasil penelitian menunjukkan bahwa secara umum model pembelajaran TPSR lebih unggul dalam membentuk *life skills* dibandingkan TGT. Tidak terjadi interaksi antara kedua model pembelajaran dengan keterampilan sosial dalam membentuk *life skills* secara umum. Pada kelompok peserta didik dengan keterampilan sosial tinggi, model TPSR menunjukkan kecenderungan lebih unggul dibandingkan TGT dalam pembentukan *life skills*, namun perbedaan tersebut tidak signifikan secara statistik. Demikian pula, pada kelompok peserta didik dengan keterampilan sosial rendah, baik model TPSR maupun TGT memberikan kontribusi yang relatif setara terhadap pengembangan *life skills* tanpa adanya perbedaan yang signifikan secara statistik. Pada aspek keterampilan motorik dasar, secara umum tidak terdapat perbedaan pengaruh antara model TPSR dan TGT. Akan tetapi terdapat interaksi antara model pembelajaran dengan keterampilan sosial dalam membentuk keterampilan motorik dasar. Pada peserta didik dengan keterampilan sosial tinggi, model pembelajaran TGT lebih unggul dalam membentuk keterampilan motorik dasar dibandingkan TPSR. Pada peserta didik dengan keterampilan sosial rendah tidak terdapat perbedaan pengaruh antara model pembelajaran TGT dan TPSR dalam membentuk keterampilan motorik dasar. Hasil penelitian ini memberikan kontribusi empiris pada pemilihan model pembelajaran yang dapat meningkatkan *life skills* dan keterampilan motorik dasar dalam upaya mereduksi perilaku sedentari peserta didik berdasarkan kondisi keterampilan sosialnya.

**Kata Kunci:** Model Instruksional, Keterampilan sosial, *Life skills*, Keterampilan motorik dasar

## **THE INFLUENCE OF INSTRUCTIONAL MODELS AND SOCIAL SKILLS ON LIFE SKILLS AND FUNDAMENTAL MOVEMENT SKILLS**

Syaipul Hari Baharuddin, Agus Mahendra, Amung Ma'mun  
Universitas Pendidikan Indonesia, Bandung, Jawa Barat, Indonesia  
[syaipul.hary@upi.edu](mailto:syaipul.hary@upi.edu)

### **ABSTRACT**

*This study aimed to analyze how different teaching models and students' social skills influence the development of life skills and fundamental motor skills in physical education. Using a 2x2 factorial experimental design, the research was carried out over twelve sessions with 40 students from MIN 7 Kota Medan. Participants were divided evenly into two groups: one taught using the Teams Games Tournament (TGT) model, and the other with the Teaching Personal and Social Responsibility (TPSR) model. Life skills were assessed using the Life Skills Scale for Sport (LSSS), while motor skills were measured with the Furtado-Gallagher Children Observational Movement Pattern Assessment (FG-COMPASS) tool. Data analysis was conducted using SPSS version 29, applying two-way MANOVA and Tukey post hoc tests. The TPSR model proved more effective than the TGT model in developing students' life skills. No interaction was found between teaching models and social skills in shaping overall life skills. For students with high social skills, the TPSR model showed a tendency to outperform TGT in developing life skills, although the difference was not statistically significant. Likewise, among students with low social skills, both TPSR and TGT contributed similarly to life skills development, with no significant differences observed. As for fundamental motor skills, no major differences were found between the two models overall. However, a meaningful interaction emerged among students with high social skills, the TGT model led to better motor skill outcomes compared to TPSR. For students with low social skills, the effects were similar across both models. These findings offer valuable insights for educators in choosing teaching strategies that can support students' holistic growth and help reduce sedentary behavior, taking into account their social skill levels.*

**Keywords:** Instructional Model, social skills, Life skills, Fundamental Movement Skills

## DAFTAR ISI

<b>LEMBAR PENGESAHAN .....</b>	i
<b>LEMBAR PERNYATAAN KEASLIAN TESIS DAN BEBAS PLAGIARISME .....</b>	ii
<b>KATA PENGANTAR.....</b>	iii
<b>UCAPAN TERIMAKASIH.....</b>	iv
<b>ABSTRAK .....</b>	vii
<b>ABSTRACT .....</b>	viii
<b>DAFTAR ISI.....</b>	ix
<b>DAFTAR GAMBAR.....</b>	xiii
<b>DAFTAR TABEL.....</b>	xiv
<b>LAMPIRAN.....</b>	xv
<b>BAB I PENDAHULUAN.....</b>	1
<b>1.1 Latar Belakang .....</b>	1
<b>1.2 Rumusan Masalah Penelitian.....</b>	8
<b>1.3 Tujuan Penelitian .....</b>	9
<b>1.4 Manfaat Penelitian .....</b>	10
1.4.1 Manfaat Penelitian Segi Teoritis .....	10
1.4.2 Manfaat Penelitian Segi Praktis .....	11
<b>1.5 Struktur Organisasi Tesis.....</b>	11
<b>BAB II KAJIAN PUSTAKA .....</b>	13
<b>2.1 Teori Belajar Sosial.....</b>	13
<b>2.2 Model Pembelajaran Instruksional.....</b>	15
<b>2.3 Model Pembelajaran Kooperatif .....</b>	17
2.3.1 Model Pembelajaran Kooperatif tipe TGT .....	21

<b>2.4 Model Pembelajaran TPSR.....</b>	<b>24</b>
<b>2.5 Keterampilan Sosial.....</b>	<b>29</b>
<b>2.6 Life skills .....</b>	<b>32</b>
<b>2.7 Keterampilan Motorik Dasar.....</b>	<b>34</b>
<b>2.8 Penelitian yang Relevan.....</b>	<b>37</b>
<b>2.9 Kerangka Berpikir .....</b>	<b>39</b>
<b>2.10 Hipotesis .....</b>	<b>42</b>
<b>BAB III METODE PENELITIAN .....</b>	<b>45</b>
<b>3.1 Metode dan Desain Penelitian.....</b>	<b>45</b>
<b>3.2 Populasi dan Sampel Penelitian.....</b>	<b>46</b>
3.2.1 Populasi .....	46
3.2.2 Sampel Penelitian.....	47
<b>3.3 Operasional Variabel .....</b>	<b>49</b>
3.3.1 Variabel Independen .....	49
3.3.2 Variabel Dependen.....	50
3.3.3 Variabel Moderator .....	50
<b>3.4 Instrumen Penelitian.....</b>	<b>52</b>
3.4.1 Keterampilan Motorik Dasar.....	52
3.4.2 Life Skills Scale for Sport (LSSS) .....	54
3.4.3 Social Skills Improvement System-Rating Scale (SSIS-RS).....	56
<b>3.5 Analisis Data .....</b>	<b>59</b>
3.5.1 Uji Normalitas.....	60
3.5.2 Uji Homogenitas .....	60
3.5.3 Pengajuan Hipotesis .....	61
<b>3.6 Prosedur Penelitian.....</b>	<b>64</b>
<b>BAB IV HASIL PENELITIAN.....</b>	<b>67</b>
<b>4.1 Statistika Deskriptif .....</b>	<b>67</b>

4.1.1 Statistika Deskriptif Life Skills.....	68
4.1.2 Statistika Deskriptif Keterampilan Motorik Dasar .....	70
<b>4.2 Uji Prasyarat.....</b>	<b>73</b>
4.2.1 Uji Normalitas.....	74
4.2.2 Uji Homogenitas .....	75
<b>4.3 Hasil Uji Hipotesis.....</b>	<b>76</b>
4.3.1 Uji Hipotesis Pertama .....	77
4.3.2 Uji Hipotesis Kedua .....	77
4.3.3 Uji Hipotesis Ketiga.....	78
4.3.4 Uji Hipotesis Keempat .....	79
4.3.5 Uji Hipotesis Kelima.....	80
4.3.6 Uji Hipotesis Keenam .....	80
4.3.7 Uji Hipotesis Ketujuh.....	82
4.3.8 Uji Hipotesis Kedelapan .....	82
<b>BAB V PEMBAHASAN .....</b>	<b>84</b>
<b>5.1 Pembahasan Hasil Hipotesis .....</b>	<b>84</b>
5.1.1 Perbedaan pengaruh antara model pembelajaran TGT dan TPSR pada pembelajaran Pendidikan Jasmani Olahraga dan Kesehatan terhadap life skills .....	84
5.1.2 Interaksi antara model pembelajaran dan keterampilan sosial yang memberikan perbedaan pengaruh terhadap life skills.....	87
5.1.3 Perbedaan pengaruh antara model pembelajaran TGT dan TPSR dalam pembelajaran PJOK terhadap life skills pada kelompok keterampilan sosial tinggi .....	90
5.1.4 Perbedaan pengaruh antara model pembelajaran TGT dan TPSR dalam pembelajaran PJOK terhadap life skills pada kelompok keterampilan sosial rendah.....	92
5.1.5 Perbedaan pengaruh antara model pembelajaran TGT dan TPSR pada pembelajaran Pendidikan Jasmani Olahraga dan Kesehatan terhadap keterampilan motorik dasar.....	94

5.1.6 Interaksi antara model pembelajaran dan keterampilan sosial yang memberikan perbedaan pengaruh terhadap keterampilan motorik dasar.....	96
5.1.7 Perbedaan pengaruh antara model pembelajaran TGT dan TPSR dalam pembelajaran PJOK terhadap keterampilan motorik dasar pada kelompok keterampilan sosial tinggi .....	99
5.1.8 Perbedaan pengaruh antara model pembelajaran TGT dan TPSR dalam pembelajaran PJOK terhadap keterampilan motorik dasar pada kelompok keterampilan sosial rendah.....	101
<b>5.2 Kelebihan dan kekurangan Penelitian .....</b>	<b>103</b>
5.2.1 Kelebihan Penelitian .....	103
5.2.2 Keterbatasan Penelitian.....	104
<b>BAB VI SIMPULAN.....</b>	<b>106</b>
<b>6.1 Simpulan .....</b>	<b>106</b>
<b>6.2 Implikasi.....</b>	<b>108</b>
<b>6.3 Rekomendasi.....</b>	<b>108</b>
<b>DAFTAR PUSTAKA .....</b>	<b>110</b>
<b>PROFIL PENULIS .....</b>	<b>137</b>
<b>LAMPIRAN.....</b>	<b>138</b>

## **DAFTAR GAMBAR**

Gambar 1.1 Tingkat Kebugaran Jasmani Anak-anak 2023 .....	2
Gambar 2. 1 Kerangka Berpikir .....	42
Gambar 3.1 Alur Penelitian.....	65
Gambar 4.1 Estimated Marginal Means of Life Skills .....	78
Gambar 4.2 Estimated Marginal Means of FMS .....	81

## DAFTAR TABEL

Tabel 2.1 Karakteristik Model TGT dan Model TPSR.....	28
Tabel 3.1 Desain Faktorial 2x2 .....	46
Tabel 3.2 Kriteria Inklusi dan Eksklusi Sampel Penelitian.....	47
Tabel 3.3 Komposisi Pengelompokan Sampel.....	49
Tabel 3.4 Operasional Variabel.....	51
Tabel 3.5 Kisi-kisi Tes Keterampilan Motorik Dasar.....	53
Tabel 3.6 Kisi-kisi Instrumen Life Skills Scale for Sport (LSSS) .....	54
Tabel 3.7 Skor Penilaian .....	56
Tabel 3.8 Kisi-kisi Instrumen Social Skills Improvement System-Rating Scale (SSIS-RS).....	57
Tabel 3.9 Skor Penilaian .....	59
Tabel 4.1 Hasil Deskripsi Data Life Skills.....	68
Tabel 4.2 Distribusi Data Keseluruhan Nilai Rata-Rata Life Skills .....	70
Tabel 4.3 Hasil Deskripsi Data Keterampilan Motorik Dasar .....	71
Tabel 4.4 Distribusi Data Keseluruhan Nilai Rata-Rata Keterampilan Motorik Dasar .....	73
Tabel 4.5 Hasil Uji Normalitas Data.....	74
Tabel 4.6 Hasil Uji Homogenitas Data .....	76
Tabel 4.7 Hasil Uji Hipotesis Pertama (MANOVA) .....	77
Tabel 4.8 Hasil Uji Hipotesis Kedua (MANOVA).....	77
Tabel 4.9 Uji Tukey Life Skills Kelompok Keterampilan Sosial Tinggi .....	78
Tabel 4.10 Uji Tukey Life Skills Kelompok Keterampilan Sosial Rendah.....	79
Tabel 4.11 Hasil Uji Hipotesis Kelima (MANOVA).....	80
Tabel 4.12 Hasil Uji Hipotesis Keenam (MANOVA).....	80
Tabel 4.13 Uji Tukey Keterampilan Motorik Dasar Kelompok Keterampilan Sosial Tinggi .....	82
Tabel 4.14 Uji Tukey Keterampilan Motorik Dasar Kelompok Keterampilan Sosial Rendah.....	82

## **LAMPIRAN**

Lampiran 1 Surat Keputusan Penunjukkan Dosen Pembimbing .....	138
Lampiran 2 Surat Izin Penelitian.....	140
Lampiran 3 Surat Telah Melaksanakan Penelitian.....	141
Lampiran 4 Surat Pernyataan Expert Judgement.....	142
Lampiran 5 Surat Ahli Bahasa .....	144
Lampiran 6 Instrumen Penelitian.....	145
Lampiran 7 Analisis Data.....	152
Lampiran 8. Modul Pembelajaran.....	157
Lampiran 9. Dokumentasi.....	208

## DAFTAR PUSTAKA

- Abdul, B., Mantau, K., Talango, S. R., Sultan, I., & Gorontalo, A. (2023). Pengintegrasian Keterampilan Abad 21 dalam Proses Pembelajaran (Literature Review). *IRFANI: Jurnal Pendidikan Islam*, 19, 86–107. <https://doi.org/10.30603/ir.v19i1.3897>
- Adi, H. M. M. (2020). Teori Belajar Behaviorisme Albert Bandura Dan Implikasinya Dalam Pembelajaran Bahasa Arab. *Jurnal Ilmu Bahasa Arab dan Pembelajarannya*, 10(1), 22–31. <http://dx.doi.org/10.22373/ls.v10i1.7803>
- Aeni, A. N., & Muhtar, T. (2017). Nilai-Nilai Kesholehan Sosial pada Mata Kuliah Pembelajaran dan Aktivitas Senam Ritmik II dan Implikasinya terhadap Pendidikan Jasmani di SD. *Indonesian Journal of Primary Education*, 1(2), 1–12. <https://doi.org/https://doi.org/10.17509/ijpe.v1i2.9310>
- Al-Jarrah, Y. M. (2020). *Development of Life Skills Using Modern Teaching Strategies for Physical Education among Students of the Basic Stage in Irbid Governorate from the Teachers' Perspectives*.
- Altinkök, M. (2017). The effect of movement education based on cooperative learning method on the development of basic motor skills of primary school 1ST grade learners. *Journal of Baltic Science Education*, 16(2), 241–249. <https://doi.org/10.33225/jbse/17.16.241>
- Andrijanto, D. (2023). The Influence of the TGT (Teams Games Tournament) Learning Model on Table Tennis Learning Outcomes. *Gladi : Jurnal Ilmu Keolahragaan*, 14(03), 322–329. <https://doi.org/10.21009/gjik.143.07>
- Ardiansyah, A., Yusmawati, & Wasan, A. (2022). The effect of teaching personal and social responsibility (TPSR) model based on hybrid and online learning with responsibility on physical activity. *Jurnal Olahraga Pendidikan Indonesia (JOPI)*, 1(2), 139–153. <https://doi.org/10.54284/jopi.v1i2.9> 6
- Arends, R. (2012). *Learning to Teach*. McGraw-Hill.
- Arikunto, S. (2013). Metode Penelitian kuantitatif kualitatif dan R&D. *Alfabeta*: Bandung.
- Aye, T., Kuramoto-Ahuja, T., & Watanabe, M. (2018). Gross motor skill development of kindergarten children in Japan. *The Journal of Physical Therapy Science*.
- Aygun, Y., Boke, H., Yagin, F. H., Tufekci, S., Murathan, T., Gencay, E., Prieto-González, P., & Ardigò, L. P. (2024). Emotional and Social Outcomes of the Teaching Personal and Social Responsibility Model in Physical Education: A Systematic Review and Meta-Analysis. *Children*, 11(4). <https://doi.org/10.3390/children11040459>
- Azizah, N., Nengsih, E. W., Wati, L., & Nastiti, L. R. (2021). The perspective on monopoly as media in physics learning by using teams games tournament. *Journal of Physics: Conference Series*, 1760(1). <https://doi.org/10.1088/1742-6596/1760/1/012015>

- Backman, E., & Barker, D. M. (2020). Re-thinking pedagogical content knowledge for physical education teachers—implications for physical education teacher education. *Physical Education and Sport Pedagogy*, 25(5), 451–463. <https://doi.org/10.1080/17408989.2020.1734554>
- Bailey, T., & Phillips, L. (2015). The influence of motivation and adaptation on students' subjective well-being, meaning in life and academic performance. *Higher Education Research & Development*, 35, 1–16. <https://doi.org/10.1080/07294360.2015.1087474>
- Bajracharya, J. R. (2019). Instructional Design and Models: ASSURE and Kemp. *Journal of Education and Research*, 9(2), 1–8. <https://doi.org/10.3126/jer.v9i2.30459>
- Banani, U. A., & Aman. (2022). The Effect of TGT Cooperative Learning Model Assisted by Multimedia Learning on Cooperation and Learning Outcomes of Class V Elementary School Students for Social Sciences. *Al-Ishlah: Jurnal Pendidikan*, 14(3), 2649–2656. <https://doi.org/10.35445/alishlah.v14i1.1211>
- Baptista, C., Corte-Real, N., Regueiras, L., Seo, G., Hemphill, M., Pereira, A., Días, C., Martinek, T., & Fonseca, A. (2020). Teaching personal and social responsibility after-school: a systematic review. *Cuadernos de Psicología del Deporte*, 20, 1–25.
- Barnett, L. M., Lai, S. K., Veldman, S. L. C., Hardy, L. L., Cliff, D. P., Morgan, P. J., Zask, A., Lubans, D. R., Shultz, S. P., Ridgers, N. D., Rush, E., Brown, H. L., & Okely, A. D. (2016). Correlates of Gross Motor Competence in Children and Adolescents: A Systematic Review and Meta-Analysis. *Sports Medicine*, 46(11), 1663–1688. <https://doi.org/10.1007/s40279-016-0495-z>
- Barnett, L. M., Stodden, D., Cohen, K., Smith, J., Lubans, D., Lenoir, M., Ivonen, S., Miller, A., Laukkanen, A., Dudley, D., Lander, N., Brown, H., & Morgan, P. (2016). Fundamental Movement Skills: An Important Focus. *Journal of Teaching Physical Education*, 35. <https://doi.org/10.1123/jtpe.2014-0209>
- Barnett, S. (2019). Application of Vygotsky's Social Development Theory. *Journal of Education and Practice*, 10(35), 1–4. <https://doi.org/10.7176/jep/10-35-01>
- Barrett, T. (2005). Effects of Cooperative Learning on Performance of Sixth-Grade Physical Education Students. *Journal of Teaching in Physical Education*, 24(1), 88–102. <https://doi.org/10.1123/jtpe.24.1.88>
- Bates, S., Anderson-Butcher, D., & Ault-Baker, K. (2024). Practical Approaches to Teaching Values and Life Skills. Dalam *Coaching Values and Life Skills through Physical Education and Sports: A Practical Toolkit* (hlm. 74–88). <https://doi.org/10.4324/9781032688657-8>
- Behan, S., Belton, S., Peers, C., O'Connor, N. E., & Issartel, J. (2019). Moving Well-Being Well: Investigating the maturation of fundamental movement skill proficiency across sex in Irish children aged five to twelve. *Journal of Sports Sciences*, 37(22), 2604–2612. [doi.org/10.1080/02640414.2019.1651144](https://doi.org/10.1080/02640414.2019.1651144)

- Beighle, A., & Pangrazi, R. P. (2023). *Dynamic Physical Education for Elementary School Children*. Human Kinetics.
- Bernard, A. D., Salque, C., Masson, J., Darlington, E., Carvalho, G. S., & Carrouel, F. (2023). Defining Life Skills in health promotion at school: a scoping review. Dalam *Frontiers in Public Health* (Vol. 11). Frontiers Media SA. <https://doi.org/10.3389/fpubh.2023.1296609>
- Bessa, C., Hastie, P., Araújo, R., & Mesquita, I. (2019). What Do We Know About the Development of Personal and Social Skills within the Sport Education Model: A Systematic Review. Dalam ©*Journal of Sports Science and Medicine* (Vol. 18). <http://www.jssm.org>
- Bilir, Z. T. (2022). Early childhood life skills scale: Scale development reliability and validity study. *Theory and Practice in Child Development*, 2(1), 22–40. <https://doi.org/10.46303/tpicd.2022.8>
- Bolhassan, N., & Taha, H. (2017). TGT for chemistry learning to enhance students' achievement and critical thinking skills. *AIP Conference Proceedings*, 1847. <https://doi.org/10.1063/1.4983904>
- Bowes, L., Carnegie, R., Pearson, R., Mars, B., Biddle, L., Maughan, B., Lewis, G., Fernyhough, C., & Heron, J. (2015). Risk of depression and self-harm in teenagers identifying with goth subculture: a longitudinal cohort study. *The Lancet Psychiatry*, 2(9), 793–800. [https://doi.org/10.1016/S2215-0366\(15\)00164-9](https://doi.org/10.1016/S2215-0366(15)00164-9)
- 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. <https://doi.org/10.1177/1559827616640196>
- Buckholdt, D. R., & Wodarski, J. S. (1974). The Effects of Different Reinforcement Systems on Cooperative Behaviors Exhibited by Children in Classroom Contexts. *Journal of research and development in education*, 12, 50–68. <https://api.semanticscholar.org/CorpusID:73586081>
- Budi, D. R., Qohhar, W., Pazriansyah, D., Syafei, M., Kusnandar, K., Nurcahyo, P. J., Listiandi, A. D., Khan, M. A., & Estrella, E. O. (2025). The effect of teams games tournament (TGT) cooperative learning model toward the improvement of football learning outcome. *Retos*, 67, 235–243. <https://doi.org/10.47197/retos.v67.108232>
- Budiman, B., Suherman, A., Tarigan, B., Juliantine, T., & Burhaein, E. (2023). Application of Role-Playing Model in Physical Education to Develop Student Social Skills. *Jurnal Pendidikan Jasmani dan Olahraga*, 8(2), 288–295. <https://doi.org/10.17509/jpjv8i2.60138>
- Camiré, M. (2015). *Strategies for the Development of Life Skills and Values through Sport Programmes: Review and Recommendations* (hlm. 241–256). <https://doi.org/10.4018/978-1-4666-7527-8.ch014>

- Camiré, M. (2022). A move to rethink life skills as assemblages: a call to postqualitative inquiry. *Qualitative Research in Sport, Exercise and Health*, 14(6), 900–915. <https://doi.org/10.1080/2159676X.2021.2002395>
- Carreres-Ponsoda, F., Escartí, A., Jimenez-Olmedo, J. M., & Cortell-Tormo, J. M. (2021). Effects of a Teaching Personal and Social Responsibility Model Intervention in Competitive Youth Sport. *Frontiers in Psychology*, 12. <https://api.semanticscholar.org/CorpusID:232116554>
- Carter, A. S., Briggs-Gowan, M. J., & Davis, N. O. (2004). Assessment of young children's social-emotional development and psychopathology: recent advances and recommendations for practice. *Journal of Child Psychology and Psychiatry*, 109–134. <https://doi.org/10.1046/j.0021-9630.2003.00316.x>
- Casey, A., & Goodyear, V. A. (2015). Can Cooperative Learning Achieve the Four Learning Outcomes of Physical Education? A Review of Literature. *Quest*, 67(1), 56–72. <https://doi.org/10.1080/00336297.2014.984733>
- Casey, A., & MacPhail, A. (2018). Adopting a models-based approach to teaching physical education. *Physical Education and Sport Pedagogy*, 23(3), 294–310. <https://doi.org/10.1080/17408989.2018.1429588>
- Charles Chen, C. P. (2015). CAREER HUMAN AGENCY THEORY. Dalam *Exploring New Horizons in Career Counselling: Turning Challenge into Opportunities* (hlm. 77–97). [https://doi.org/10.1007/978-94-6300-154-0\\_5](https://doi.org/10.1007/978-94-6300-154-0_5)
- Colman, I., Murray, J., Abbott, R., Maughan, B., Kuh, D., Croudace, T., & Jones, P. (2009). Outcomes of conduct problems in adolescence: 40 Year follow-up of national cohort. *BMJ (Clinical research ed.)*, 338, 2981. <https://doi.org/10.1136/bmj.a2981>
- Condello, G., Mazzoli, E., Masci, I., Fano, A. D., Ben-Soussan, T. D., Marchetti, R., & Pesce, C. (2021). Article fostering holistic development with a designed multisport intervention in physical education: A class-randomized cross-over trial. *International Journal of Environmental Research and Public Health*, 18(18). <https://doi.org/10.3390/ijerph18189871>
- Cornelius-White, J. (2007). Learner-Centered Teacher-Student Relationships Are Effective: A Meta-Analysis. *Review of Educational Research*, 77(1), 113–143. <https://doi.org/10.3102/003465430298563>
- Cosgrove, B., & Richards, J. (2019). Strategies for Connecting Activities in Physical Education and the Classroom. *Strategies*, 32(6), 3–8. <https://doi.org/10.1080/08924562.2019.1657999>
- Creswell, J. W., & Creswell, J. D. (2017). *Research design: Qualitative, quantitative, and mixed methods approaches* (4th ed.). Sage publications.
- Creswell, J. W., & Guetterman, T. C. (2024). *Educational research: Planning, conducting, and evaluating quantitative and qualitative research*. ERIC.

- Cronin, L. D., & Allen, J. (2017). Development and initial validation of the Life Skills Scale for Sport. *Psychology of Sport and Exercise*, 28, 105–119. <https://doi.org/10.1016/j.psychsport.2016.11.001>
- Cronin, L. D., Allen, J., Mulvenna, C., & Russell, P. (2018). An investigation of the relationships between the teaching climate, students' perceived life skills development and well-being within physical education. *Physical Education and Sport Pedagogy*, 23(2), 181–196. <https://doi.org/10.1080/17408989.2017.1371684>
- Cronin, L., Marchant, D., Johnson, L., Huntley, E., Kosteli, M. C., Varga, J., & Ellison, P. (2020). Life skills development in physical education: A self-determination theory-based investigation across the school term. *Psychology of Sport and Exercise*, 49, 101711. [doi.org/10.1016/j.psychsport.2020.101711](https://doi.org/10.1016/j.psychsport.2020.101711)
- D'Angelo, S., Marcus, R., & Ngabonzima, E. (2022). Teaching and learning for life skills development: Insights from Rwanda's 12+ programme for adolescent girls. *Development Policy Review*, 40(S2). <https://doi.org/10.1111/dpr.12622>
- Danish, S., Forneris, T., Hodge, K., & Heke, I. (2004). Enhancing Youth Development Through Sport. *World Leisure Journal*, 46(3), 38–49. <https://doi.org/10.1080/04419057.2004.9674365>
- DeCoster, Jamie, Gallucci, Marcello, & Iselin, Anne-Marie R. (2011). Best Practices for Using Median Splits, Artificial Categorization, and their Continuous Alternatives. *Journal of Experimental Psychopathology*, 2(2), 197–209. <https://doi.org/10.5127/jep.008310>
- Deming, D. (2017). The Growing Importance of Social Skills in the Labor Market\*. *Quarterly Journal of Economics*, 132, 1593–1640. <https://doi.org/10.1093/qje/qjx022>
- Desai, M. (2010). *A Rights-Based Preventative Approach for Psychosocial Well-Being in Childhood*. <https://doi.org/10.1007/978-90-481-9066-9>
- Donath, L., Faude, O., Hagmann, S., Roth, R., & Zahner, L. (2015). Fundamental movement skills in preschoolers: a randomized controlled trial targeting object control proficiency. *Child: Care, Health and Development*, 41(6), 1179–1187. <https://doi.org/https://doi.org/10.1111/cch.12232>
- Donnelly, F., Mueller, S., & Gallahue, D. (2017). *Developmental Physical Education for All Children: Theory Into Practice*. <https://doi.org/10.5040/9781718210400>
- Dos Santos, F. G., Pacheco, M. M., Basso, L., & Tani, G. (2016). A comparative study of the mastery of fundamental movement skills between different cultures. *Motricidade*, 12(2), 116–126. [doi.org/10.6063/motricidade.8873](https://doi.org/10.6063/motricidade.8873)
- Dowdy, S., Wearden, S., & Chilco, D. (2004). *Statistics for Research* (3rd Edition).
- Dudley, Dean, & Burden, Raewyn. (2019). What effect on learning does increasing the proportion of curriculum time allocated to physical education have? A systematic review and meta-analysis. *European Physical Education Review*, 26(1), 85–100. <https://doi.org/10.1177/1356336X19830113>

- Dudley, Dean, Okely, Anthony, Pearson, Philip, & Cotton, Wayne. (2011). A systematic review of the effectiveness of physical education and school sport interventions targeting physical activity, movement skills and enjoyment of physical activity. *European Physical Education Review*, 17(3), 353–378. <https://doi.org/10.1177/1356336X11416734>
- Duncan, M., & Stodden, D. (2024). Effective Development Of Fundamental Movement Skills As A Foundation For Soccer Performance. Dalam *Science and Practice of Youth Soccer* (hlm. 230–246). <https://doi.org/10.4324/9781032665238-17>
- Dunn, R. J. (2022). Utilizing Guided Discovery to Promote Transfer of Responsibility Values in Young Children. *Journal of Teaching in Physical Education*, 41(2), 242–251. <https://doi.org/10.1123/jtpe.2021-0026>
- Dunn, R. J., & Doolittle, S. A. (2020). Professional Development for Teaching Personal and Social Responsibility: Past, Present, and Future. *Journal of Teaching in Physical Education*, 39(3), 347–356. <https://doi.org/10.1123/jtpe.2019-0226>
- Dyson, B., & Casey, A. (2016). *Cooperative Learning In Physical Education And Physical Activity* (1st Edition). Routledge. [doi.org/10.4324/9781315739496](https://doi.org/10.4324/9781315739496)
- Dyson, B., Griffin, L. L., & Hastie, P. (2004). Sport education, tactical games, and cooperative learning: Theoretical and pedagogical considerations. *Quest*, 56(2), 226–240. <https://doi.org/10.1080/00336297.2004.10491823>
- Dyson, B., Linehan, N., & Hastie, P. (2010). The Ecology of Cooperative Learning in Elementary Physical Education Classes. *Journal of Teaching in Physical Education*, 29, 113–130. <https://doi.org/10.1123/jtpe.29.2.113>
- Escartí, A., Llopis-Goig, R., & Wright, P. M. (2018). Assessing the implementation fidelity of a school-based teaching personal and social responsibility program in physical education and other subject areas. *Journal of Teaching in Physical Education*, 37(1), 12–23. <https://doi.org/10.1123/jtpe.2016-0200>
- Falcão, A., & Bolsoni-Silva, A. (2015). Intervention in Social Skills: The Behavior of Children from the Perspective of Parents and Teachers. *British Journal of Education, Society & Behavioural Science*, 11(3), 1–18. <https://doi.org/10.9734/bjesbs/2015/20033>
- Fauzi, I., Yusuf, S., & Chano, J. (2024). Social Skills of Elementary School Students in Bandung-West Java. *Jurnal Iqra': Kajian Ilmu Pendidikan*, 9(1), 97–112. <https://doi.org/https://doi.org/10.25217/ji.v9i1.4600>
- Feller, C. M., Ilen, L., Eliez, S., & Schneider, M. (2024). Social skills in neurodevelopmental disorders: a study using role-plays to assess adolescents and young adults with 22q11.2 deletion syndrome and autism spectrum disorders. *Journal of Neurodevelopmental Disorders*, 16. <https://api.semanticscholar.org/CorpusID:251289408>
- Feraco, T., Resnati, D., Fregonese, D., Spoto, A., & Meneghetti, C. (2023). An integrated model of school students' academic achievement and life satisfaction. Linking soft skills, extracurricular activities, self-regulated learning, motivation, and emotions.

*European Journal of Psychology of Education*, 38(1), 109–130.  
<https://doi.org/10.1007/s10212-022-00601-4>

Fernandez-Rio, J., & Iglesias, D. (2024). What do we know about pedagogical models in physical education so far? An umbrella review. *Physical Education and Sport Pedagogy*, 29(2), 190–205. <https://doi.org/10.1080/17408989.2022.2039615>

Fraenkel, J. R., Wallen, N. E., & Hyun, H. H. (2012). *How To Design and Evaluate Research in Education* (8th ed.). New York, NY: McGraw Hill.

Fransen, J., Tribolet, R., Sheehan, W. B., McBride, I., Novak, A. R., & Watsford, M. L. (2022). Cooperative passing network features are associated with successful match outcomes in the Australian Football League. *International Journal of Sports Science and Coaching*, 17(5), 1101–1108. <https://doi.org/10.1177/17479541211052760>

Frey, N., Fisher, D., & Smith, D. (2019). *All learning is social and emotional: Helping students develop essential skills for the classroom and beyond*. Ascd.

Frogner, L., Hellfeldt, K., Ångström, A.-K., Andershed, A.-K., Källström, Å., Fanti, K. A., & Andershed, H. (2022). Stability and Change in Early Social Skills Development in Relation to Early School Performance: A Longitudinal Study of A Swedish Cohort. *Early Education and Development*, 33(1), 17–37. <https://doi.org/10.1080/10409289.2020.1857989>

Furtado, O., & Gallagher, J. D. (2012). The reliability of classification decisions for the furtado-gallagher computerized observational movement pattern assessment system—FG-COMPASS. *Research Quarterly for Exercise and Sport*, 83(3), 383–390. <https://doi.org/10.1080/02701367.2012.10599872>

Gallahue, D. L., Ozmun, J. C., & Goodway, J. (2012). *Understanding motor development: Infants, children, adolescents, adults* (7th ed). McGraw-Hill, New York.

Gastwirth, J., Gel, Y., & Miao, W. (2010). The Impact of Levene's Test of Equality of Variances on Statistical Theory and Practice. *Statistical Science*, 24. <https://doi.org/10.1214/09-STS301>

Gatumu, J., & Kathuri, W. (2017). An Exploration of Life Skills Programme on Pre-School Children in Embu West, Kenya. *Journal of Curriculum and Teaching*, 7, 1. <https://doi.org/10.5430/jct.v7n1p1>

Gillies, R. M. (2014). Cooperative Learning: Developments in Research. *International Journal of Educational Psychology*.

Gillies, R. M. (2016). Cooperative learning: Review of research and practice. Dalam *Australian Journal of Teacher Education* (Vol. 41, Nomor 3, hlm. 39–54). Social Science Press. <https://doi.org/10.14221/ajte.2016v41n3.3>

González, A., Jennings, D., & Manriquez, L. (2014). Multi-faceted Impact of a Team Game Tournament on the Ability of the Learners to Engage and Develop their Own Critical Skill Set. *International Journal of Engineering Education*, 30, 1213–1224. <https://api.semanticscholar.org/CorpusID:142246919>

- Gonzalez, A., Jennings, D., & Manriquez, L. (2014). Multi-faceted impact of a Team Game Tournament on the ability of the learners to engage and develop their own critical skill set. *International Journal of Engineering Education*, 30(5), 1213–1224. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84908503457&partnerID=40&md5=f5349b6d1d36447d961aaff40fc616da>
- González-Villora, Sixto, Evangelio, Carlos, Sierra-Díaz, Jacob, & Fernández-Río, Javier. (2018). Hybridizing pedagogical models: A systematic review. *European Physical Education Review*, 25(4), 1056–1074. <https://doi.org/10.1177/1356336X18797363>
- Goodway, J. D., & Branta, C. F. (2003). Influence of a motor skill intervention on fundamental motor skill development of disadvantaged preschool children. *Research Quarterly for Exercise and Sport*, 74(1), 36–46. <https://doi.org/10.1080/02701367.2003.10609062>
- Goodway, J. D., Ozmun, J. C., & Gallahue, D. L. (2019). *Understanding Motor Development: Infants, Children, Adolescents, Adults* (Eighth edition). Jones & Bartlett Learning, LLC.
- Gordon, B. (2010). An Examination of the Responsibility Model in a New Zealand Secondary School Physical Education Program. *Journal of Teaching in Physical Education*, 29(1), 21–37. <https://doi.org/10.1123/jtpe.29.1.21>
- Gordon, B. (2020). An Alternative Conceptualization of the Teaching Personal and Social Responsibility Model. *Journal of Physical Education, Recreation & Dance*, 91(7), 8–14. <https://doi.org/10.1080/07303084.2020.1781719>
- Gordon, B., & Doyle, S. (2015). Teaching Personal and Social Responsibility and Transfer of Learning: Opportunities and Challenges for Teachers and Coaches. *Journal of Teaching in Physical Education*, 34(1), 152–161. <https://doi.org/10.1123/jtpe.2013-0184>
- Goudas, M., & Magotsiou, E. (2009). The Effects of a Cooperative Physical Education Program on Students' Social Skills. *Journal of Applied Sport Psychology*, 21(3), 356–364. <https://doi.org/10.1080/10413200903026058>
- Greer, A. E., Sui, X., Maslow, A. L., Greer, B. K., & Blair, S. N. (2015). The effects of sedentary behavior on metabolic syndrome independent of physical activity and cardiorespiratory fitness. *Journal of physical activity & health*, 12 1, 68–73. <https://api.semanticscholar.org/CorpusID:19547642>
- Gresham, F. (2016). Social skills assessment and intervention for children and youth. *Cambridge Journal of Education*, 46, 319–332. <https://doi.org/10.1080/0305764X.2016.1195788>
- Gresham, F., & Elliott, S. N. (2008). *Social skills improvement system (SSIS) rating scales*. Bloomington, MN: Pearson Assessments.
- Gresham, F. M., & Elliot, S. N. (1988). Social Skills: Conceptual and Applied Aspects of Assessment, Training, and Social Validation. Dalam J. C. Witt, S. N. Elliot, &

- F. M. Gresham (Ed.), *Handbook of Behavior Therapy in Education* (hlm. 523–546). Springer US. [https://doi.org/10.1007/978-1-4613-0905-5\\_20](https://doi.org/10.1007/978-1-4613-0905-5_20)
- Gresham, F. M., & Elliott, S. (1990). *The social skills rating system (SSRS)*. Circle Pines. American Guidance Service.
- Gresham, F. M., & Elliott, S. N. (1989). Social Skills Deficits as a Primary Learning Disability. *Journal of Learning Disabilities*, 22(2), 120–124. <https://doi.org/10.1177/002221948902200207>
- Gresham, F. M., Elliott, S. N., & Kettler, R. J. (2010). Base rates of social skills acquisition/performance deficits, strengths, and problem behaviors: An analysis of the social skills improvement system-rating scales. *Psychological Assessment*, 22(4), 809–815. <https://doi.org/10.1037/a0020255>
- Gresham, Frank. M. (1986). Conceptual and Definitional issues in the Assessment of Children's Social Skills: Implications for Classifications and Training. *Journal of Clinical Child Psychology*, 15(1), 3–15. [https://doi.org/10.1207/s15374424jccp1501\\_1](https://doi.org/10.1207/s15374424jccp1501_1)
- Guo, L., He, H., & Wang, C. (2025). Are school-based behavioural interventions an effective strategy for improving physical activity and sedentary behaviour in children and adolescents? A meta-analysis. *Frontiers in Pediatrics*, Volume 13-2025. <https://doi.org/10.3389/fped.2025.1532035>
- Gurvitch, R., & Metzler, M. (2010). Theory into Practice: Keeping the Purpose in Mind: The Implementation of Instructional Models in Physical Education Settings. *Strategies*, 23(3), 32–35. <https://doi.org/10.1080/08924562.2010.10590875>
- Gustavsen, A. (2017). Longitudinal relationship between social skills and academic achievement in a gender perspective. *Cogent Education*, 4. <https://doi.org/10.1080/2331186X.2017.1411035>
- Hall, C. J. S., Eyre, E. L. J., Oxford, S. W., & Duncan, M. J. (2018a). Relationships between motor competence, physical activity, and obesity in British preschool aged children. *Journal of Functional Morphology and Kinesiology*, 3(4). <https://doi.org/10.3390/jfmk3040057>
- Hall, C. J. S., Eyre, E. L. J., Oxford, S. W., & Duncan, M. J. (2018b). Relationships between motor competence, physical activity, and obesity in British preschool aged children. *Journal of Functional Morphology and Kinesiology*, 3(4), 1–8. <https://doi.org/10.3390/jfmk3040057>
- Hamzah, Dahrial, Andriansyah, Antoni, P., & Pratama, N. Z. (2023). Kemampuan Gerak Dasar Siswa SD Negeri 02 Benteng Kecamatan Sungai Batang Kabupaten Indragiri Hilir. *Jurnal Pendidikan Tambusai*, 7(2), 6263–6269.
- Han, X., Li, H., Xiao, C., Wang, W., Gao, K., Yan, S., & Niu, L. (2025). Physical activity enhances college students' mental health through social adaptability and exercise behavior chain mediation. *Scientific Reports*, 15(1). <https://doi.org/10.1038/s41598-025-07791-z>

- 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. <https://doi.org/10.1016/j.jsams.2009.05.010>
- Hartanto, D., Kusmaedi, N., Ma'mun, A., & Abduljabar, B. (2021). Integrating social skills in traditional games with physical education interventions. *International Journal of Human Movement and Sports Sciences*, 9(5), 921–928. <https://doi.org/10.13189/saj.2021.090513>
- Haru, E. (2016). Mengenal Teori Kognitif Sosial Albert Bandura dan Implikasinya dalam Dunia Pendidikan. *Jurnal Altrernatif Wacana Ilmiah Intelektual*, 1. <https://doi.org/https://doi.org/10.60130/ja.v1i1.102>
- Hellison, D. (2003). *Teaching Responsibility Through Physical Activity*.
- Hellison, D. (2011). *Teaching Personal and Social Responsibility Through Physical Activity* (S. Wikgren, R. Vallese, D. Campbell, & R. Brito, Ed.; 3rd-ed ed.). Human Kinetics.
- Hellison, D. R. (2003). *Teaching Responsibility Through Physical Activity*.
- Hernández-Beltrán, V., Espada, M. C., Muñoz-Jiménez, J., León, K., Ferreira, C. C., Parraca, J. A., & Gamonales, J. M. (2023). Evolution of Documents Related to Biomechanics Research in Gymnastics. Dalam *Biomechanics (Switzerland)* (Vol. 3, Nomor 4, hlm. 477–492). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/biomechanics3040039>
- Hilke, E. Veronica. (1990). *Cooperative Learning* (1 ed.). Phi Delta Kappa Educational Foundation.
- Howes, C., & James, J. (2002). Children's Social Development Within The Socialization Context of Child Care and Early Childhood Education. Dalam P. K. Smith & C. H. Hart (Ed.), *Blackwell Handbook of Childhood Social Development* (1 ed.). BLACWELL PUBLISHER. <https://doi.org/10.1002/9781444390933.ch13>
- Huysmans, Z., Clement, D., Whitley, M. A., Gonzalez, M., & Sheehy, T. (2019). “Putting kids first”: An exploration of the Teaching Personal and Social Responsibility model to youth development in Eswatini. *Journal of Sport for Development*, 7(13), 15–32.
- Iivonen, S., & Sääkslahti, A. (2013). Early Child Development and Care Preschool children's fundamental motor skills: a review of significant determinants. *Early Child Development and Care*, 184. <https://doi.org/10.1080/03004430.2013.837897>
- Jacobs, J. M., Lawson, M., Ivy, V. N., & Richards, K. R. (2017). Enhancing the Transfer of Life Skills from Sport-based Youth Development Programs to School, Family, and Community Settings. *Journal Amateur of Sport*, 3(3). <https://doi.org/https://doi.org/10.17161/jas.v3i3.6514>
- Jacobs, J. M., Wright, P. M., & Richards, K. A. R. (2022). Students' Perceptions of Learning Life Skills Through the Teaching Personal and Social Responsibility Model: An Exploratory Study. *Frontiers in Sports and Active Living*, 4, 1–11. <https://doi.org/10.3389/fspor.2022.898738>

- Jiménez-Parra, J. F., González-Villora, S., & Valero-Valenzuela, A. (2024). The Teaching Personal and Social Responsibility Model within the School Context: A Systematic Review. *Quest*, 76(4), 512–533. <https://doi.org/10.1080/00336297.2024.2375601>
- Johnson, D. W., & Johnson, R. T. (1990). Cooperative learning and achievement. Dalam *Cooperative learning: Theory and research*. (hlm. 23–37). Praeger Publishers.
- Johnson, D. W., & Johnson, R. T. (2013). *The impact of cooperative, competitive, and individualistic learning environments on achievement*. (hlm. 372–374). Routledge.
- Jones, M. I. (2021). Coaching life skills in sports people. Dalam *Coaching for Human Development and Performance in Sports* (hlm. 305–320). [https://doi.org/10.1007/978-3-030-63912-9\\_15](https://doi.org/10.1007/978-3-030-63912-9_15)
- Joyce, B. R., & Weil, M. (1980). *Models of Teaching*. Prentice-Hall. <https://books.google.co.id/books?id=Iq8PIBSunVcC>
- Joyce, B., Weil, M., & Calhoun, E. (2011). *Models of teaching: model-model pengajaran* (8th ed.). Pustaka Belajar.
- Julantine, T., & Ramadhan, U. (2018). Pengembangan Tanggung Jawab Dan Perilaku Sosial Siswa Melalui Model Tpsr Dalam Pendidikan Jasmani. *Jurnal Sosioteknologi*, 17, 350–354. <https://doi.org/10.5614/sostek.itbj.2018.17.3.2>
- Junge, C., Valkenburg, P. M., Deković, M., & Branje, S. (2020). The building blocks of social competence: Contributions of the Consortium of Individual Development. *Developmental Cognitive Neuroscience*, 45. <https://doi.org/10.1016/j.dcn.2020.100861>
- Kalaja, S., Jaakkola, T., Liukkonen, J., & Watt, A. (2010). Fundamental movement skills and motivational factors influencing engagement in physical activity. *Perceptual and Motor Skills*, 111(1), 115–128. <https://doi.org/10.2466/06.10.25.PMS.111.4.115-128>
- Kao, C.-C. (2019). Development of team cohesion and sustained collaboration skills with the sport education model. *Sustainability (Switzerland)*, 11(8). <https://doi.org/10.3390/su11082348>
- Kemenpora. (2023). *Laporan Indeks Pembangunan Olahraga Tahun 2023 Kebugaran Jasmani dan Generasi Emas 2045*. [https://img-deputi3.kemenpora.go.id/files/document\\_file/2024/06/25/34/1143laporan-nasional-sport-development-index-tahun-2023.pdf](https://img-deputi3.kemenpora.go.id/files/document_file/2024/06/25/34/1143laporan-nasional-sport-development-index-tahun-2023.pdf)
- Khataybeh, A., Al-Shadiedh, M., & Khasawneh, G. (2024). The effectiveness of cooperative learning strategy for mastery in enhancing the skill performance of some gymnastics floor movements. *Pedagogy of Physical Culture and Sports*, 28(4), 292–300. <https://doi.org/10.15561/26649837.2024.0406>
- Kirk, D. (2010). *Kirk, D. (2010) Physical Education Futures London: Routledge*.
- Kirk, T. (2001). Cooperative learning- the building blocks. *Improving Schools*, 4(2), 28–35. <https://doi.org/10.1177/136548020100400206>

- Kit, B. K., Akinbami, L. J., Isfahani, N. S., & Ulrich, D. A. (2017). Gross Motor Development in Children Aged 3–5 Years, United States 2012. *Maternal and Child Health Journal*, 21(7), 1573–1580. <https://doi.org/10.1007/s10995-017-2289-9>
- Köyceğiz, G. M., & Özbey, S. (2019). Investigation of the Effect of Social Skills Training on the Motivation Levels of Preschool Children. *International Electronic Journal of Elementary Education*, 11, 477–486. <https://doi.org/10.26822/iejee.2019553344>
- Ladd, G., & Burgess, K. (2001). Do Relational Risks and Protective Factors Moderate the Linkages between Childhood Aggression and Early Psychological and School Adjustment? *Child development*, 72, 1579–1601. <https://doi.org/10.1111/1467-8624.00366>
- Le Croy, C. W. (2014). Social Skills Training with Adolescents: A Review. Dalam *Social Skills Training for Children and Youth* (hlm. 100–125). <https://doi.org/10.4324/9781315059167-11>
- Le Paven Jarno, M. (2025). A didactic approach to the adjustments involved in physical and sports education. Comparison of examples on the use of forms-representations in the teaching of throws in athletics. *Physical Education and Sport Pedagogy*. <https://doi.org/10.1080/17408989.2025.2489674>
- Lee, H.-J., Kim, H., & Byun, H. (2017). Are high achievers successful in collaborative learning? An explorative study of college students' learning approaches in team project-based learning. *Innovations in Education and Teaching International*, 54(5), 418–427. <https://doi.org/10.1080/14703297.2015.1105754>
- Lee, J., Zhang, T., Chu, T. L., & Gu, X. (2020). Effects of a need-supportive motor skill intervention on children's motor skill competence and physical activity. *Children*, 7(3). <https://doi.org/10.3390/children7030021>
- Lee, O., & Choi, E. (2015). The influence of professional development on teachers' implementation of the Teaching Personal and Social Responsibility model. *Journal of Teaching in Physical Education*, 34(4), 603–625. <https://doi.org/10.1123/jtpe.2013-0223>
- Lee, T. E. (2014). Effects of a cooperative learning strategy on the effectiveness of physical fitness teaching and constraining factors. *Mathematical Problems in Engineering*, 2014. <https://doi.org/10.1155/2014/519291>
- Lenzen, B., Buyck, Y., & Bouvier, A. (2023a). Teaching Life Skills in Physical Education within Different Teaching Traditions: A Narrative Review. Dalam *Education Sciences* (Vol. 13, Nomor 6). MDPI. <https://doi.org/10.3390/educsci13060605>
- Lenzen, B., Buyck, Y., & Bouvier, A. (2023b). Teaching Life Skills in Physical Education within Different Teaching Traditions: A Narrative Review. Dalam *Education Sciences* (Vol. 13, Nomor 6). MDPI. <https://doi.org/10.3390/educsci13060605>

- Li, H., Cheong, J. P. G., & Hussain, B. (2023). The Effect of a 12-Week Physical Functional Training-Based Physical Education Intervention on Students' Physical Fitness—A Quasi-Experimental Study. *International Journal of Environmental Research and Public Health*, 20(5). <https://doi.org/10.3390/ijerph20053926>
- Lindsay, A. R., Starrett, A., Brian, A., Byington, T. A., Lucas, J., & Sigman-Grant, M. (2020). Preschoolers build fundamental motor skills critical to an active lifestyle: The all 4 kids© intervention study. *International Journal of Environmental Research and Public Health*, 17(9). <https://doi.org/10.3390/ijerph17093098>
- Little, S. G., Swangler, J., & Little, A.-A. (2017). Defining Social Skills. Dalam J. L. Matson (Ed.), *Handbook of Social Behavior and Skills in Children* (hlm. 9–17). Springer International Publishing. [https://doi.org/10.1007/978-3-319-64592-6\\_2](https://doi.org/10.1007/978-3-319-64592-6_2)
- Livingstone, S., Stoilova, M., Stänicke, L., Jessen, R., Graham, R., Staksrud, E., & Jensen, T. (2022). *Young people experiencing internet-related mental health difficulties: The benefits and risks of digital skills*. <https://doi.org/10.5281/zenodo.7372552>
- Logan, S. W., Ross, S. M., Chee, K., Stodden, D. F., & Robinson, L. E. (2018). Fundamental motor skills: A systematic review of terminology. Dalam *Journal of Sports Sciences* (Vol. 36, Nomor 7, hlm. 781–796). Routledge. <https://doi.org/10.1080/02640414.2017.1340660>
- Lopes, D., Gerolamo, M., Musetti, M., & Amaral, D. (2021). Social skills in higher education: how to combine active learning and social skills training program. *Production*, 31. <https://doi.org/10.1590/0103-6513.20200103>
- Lorås, H. (2020). The effects of physical education on motor competence in children and adolescents: A systematic review and meta-analysis. Dalam *Sports* (Vol. 8, Nomor 6). MDPI AG. <https://doi.org/10.3390/sports8060088>
- Luo, Y.-J., Lin, M. L., Hsu, C. H., Liao, C. C., & Kao, C. C. (2020a). The effects of team-game-tournaments application towards learning motivation and motor skills in college physical education. *Sustainability (Switzerland)*, 12(15). <https://doi.org/10.3390/su12156147>
- Luo, Y.-J., Lin, M.-L., Hsu, C.-H., Liao, C.-C., & Kao, C.-C. (2020b). The Effects of Team-Game-Tournaments Application towards Learning Motivation and Motor Skills in College Physical Education. *Sustainability*, 12(15), 6147. <https://doi.org/10.3390/su12156147>
- Luszczynska, A., & Schwarzer, R. (2020). Changing Behavior Using Social Cognitive Theory. Dalam *The Handbook of Behavior Change* (hlm. 32–45). <https://doi.org/10.1017/9781108677318.003>
- Madrona, P., Gutiérrez-Marín, E., Cupani, M., Samalot-Rivera, A., Diaz Suarez, A., & López-Sánchez, G. (2019). The Effects of an Appropriate Behavior Program on Elementary School Children Social Skills Development in Physical Education. *Frontiers in Psychology*, 10. <https://doi.org/10.3389/fpsyg.2019.01998>

- Mansoubi, M., Pearson, N., Biddle, S. J. H., & Clemes, S. (2014). The relationship between sedentary behaviour and physical activity in adults: A systematic review. *Preventive Medicine*, 69, 28–35. <https://doi.org/10.1016/j.ypmed.2014.08.028>
- Manzano-Sánchez, D., & Gómez-López, M. (2023). Personal and Social Responsibility Model: Differences According to Educational Stage in Motivation, Basic Psychological Needs, Satisfaction, and Responsibility. *Children*, 10(5). <https://doi.org/10.3390/children10050864>
- Manzano-Sánchez, D., Valero-Valenzuela, A., Conde-Sánchez, A., & Chen, M. Y. (2019). Applying the personal and social responsibility model-based program: Differences according to gender between basic psychological needs, motivation, life satisfaction and intention to be physically active. *International Journal of Environmental Research and Public Health*, 16(13). <https://doi.org/10.3390/ijerph16132326>
- Marker, A. M., & Staiano, A. E. (2015). Better Together: Outcomes of Cooperation Versus Competition in Social Exergaming. *Games for Health Journal*, 4(1), 25–30. <https://doi.org/10.1089/g4h.2014.0066>
- Martin, E. H., Rudisill, M. E., & Hastie, P. A. (2009). Motivational climate and fundamental motor skill performance in a naturalistic physical education setting. *Physical Education & Sport Pedagogy*, 14(3), 227–240. <https://doi.org/10.1080/17408980801974952>
- Martin, N., Camiré, M., & Kramers, S. (2022). Facilitating life skills transfer from sport to the classroom: An intervention assisting a high school teacher-coach. *Journal of Applied Sport Psychology*, 34(6), 1077–1101. <https://doi.org/10.1080/10413200.2021.1917016>
- Martinek, T., & Hellison, D. (2009). *Youth Leadership in Sport and Physical Education*. <https://doi.org/10.1057/9780230101326>
- Martinek, T., & Hellison, D. (2016). Teaching Personal and Social Responsibility: Past, Present and Future. *Journal of Physical Education, Recreation & Dance*, 87(5), 9–13. <https://doi.org/10.1080/07303084.2016.1157382>
- Martins, P., Gonzalez, A.-J., de Lima, M. P., Faleiro, J., & Preto, L. (2022). Positive Development Based on the Teaching of Personal and Social Responsibility: An Intervention Program With Institutionalized Youngsters. *Frontiers in Psychology*, 13. <https://doi.org/10.3389/fpsyg.2022.792224>
- Martinsone, B., Stokemberga, I., Damberga, I., Supe, I., Simões, C., Lebre, P., Canha, L., Santos, M., Santos, A. C., Fonseca, A. M., Santos, D., Gaspar de Matos, M., Conte, E., Agliati, A., Cavioni, V., Gandellini, S., Grazzani, I., Ornaghi, V., & Camilleri, L. (2022). Adolescent social emotional skills, resilience and behavioral problems during the COVID-19 pandemic: A longitudinal study in three European countries. *Frontiers in Psychiatry*, 13. <https://doi.org/10.3389/fpsy.2022.942692>
- Matitaputty, J. K., Susanto, N., Fadli, M. R., Ramadhan, I., & Manuputty, C. J. (2023). The Effect of Team Games Tournament (TGT) in Social Science Learning to

- Improve Student Learning Outcomes. *Al Ibtida: Jurnal Pendidikan Guru MI*, 10(2), 374. <https://doi.org/10.24235/al.ibtida.snj.v10i2.15037>
- Mazzardo, O., Weis, B. M., Sampaio, A. A., de Lima, D. F., de Souza, D. C., & Furtado, O. (2024). Associations Between Fundamental Motor Skill Domains and Physical Fitness Components in 5-11-Year-Old Children. *Perceptual and Motor Skills*. <https://doi.org/10.1177/00315125241284785>
- McBain, S. (2003). Creating meaning through movement: Experiential learning in physical education. Dalam B. Ross and L. Burrows, (Eds). (2003) *It takes 2 feet: Teaching physical education and health in New Zealand*. Palmerston North: Dunmore Press.
- McDonough, D. J., Liu, W., & Gao, Z. (2020). Effects of Physical Activity on Children's Motor Skill Development: A Systematic Review of Randomized Controlled Trials. *BioMed Research International*, 2020. <https://doi.org/10.1155/2020/8160756>
- Meléndez, A., & Martinek, T. (2015). Life after project effort: Applying values acquired in a responsibility-based physical activity program. *RICYDE: Revista Internacional de Ciencias del Deporte*, 11(41), 258–280. <https://doi.org/10.5232/ricyde2015.04105>
- Melero-Cañas, D., Morales-Baños, V., Manzano-Sánchez, D., Navarro-Ardoy, D., & Valero-Valenzuela, A. (2021). Effects of an Educational Hybrid Physical Education Program on Physical Fitness, Body Composition and Sedentary and Physical Activity Times in Adolescents: The Seneb's Enigma. *Frontiers in Psychology*, 11. <https://doi.org/10.3389/fpsyg.2020.629335>
- Melo, M., Santos, F., Wright, P. M., Sá, C., & Saraiva, L. (2020a). Strengthening the Connection between Differentiated Instruction Strategies and Teaching Personal and Social Responsibility: Challenges, Strategies, and Future Pathways. *Journal of Physical Education, Recreation and Dance*, 91(5), 28–36. <https://doi.org/10.1080/07303084.2020.1734506>
- Melo, M., Santos, F., Wright, P. M., Sá, C., & Saraiva, L. (2020b). Strengthening the Connection between Differentiated Instruction Strategies and Teaching Personal and Social Responsibility: Challenges, Strategies, and Future Pathways. *Journal of Physical Education, Recreation & Dance*, 91(5), 28–36. <https://doi.org/10.1080/07303084.2020.1734506>
- Mendo-Lázaro, S., León-del-Barco, B., Felipe-Castaño, E., Polo-del-Río, M. I., & Iglesias-Gallego, D. (2018). Cooperative team learning and the development of social skills in higher education: The variables involved. *Frontiers in Psychology*, 9(AUG). <https://doi.org/10.3389/fpsyg.2018.01536>
- Merino-Barrero, J. A., Valero-Valenzuela, A., Belando Pedreño, N., & Fernandez-Río, J. (2020). Impact of a Sustained TPSR Program on Students' Responsibility, Motivation, Sportsmanship, and Intention To Be Physically Active. *Journal of Teaching in Physical Education*, 39(2), 247–255. <https://doi.org/10.1123/jtpe.2019-0022>

- Merrell, K. W., & Gimpel, G. (1998). *Social Skills of Children and Adolescents: Conceptualization, Assessment, Treatment* (1st ed). Psychology Press.  
<https://doi.org/https://doi.org/10.4324/9781315805757>
- Merrell, K. W., & Gimpel, G. (2014). *Social Skills of Children and Adolescents: Conceptualization, Assessment, Treatment* (1st ed.).  
<https://doi.org/https://doi.org/10.4324/9781315805757>
- Metzler, M. W. (2005). *Instructional Models for Physical Education*. Holcomb Hathaway, Publishers.
- Metzler, M. W. (2017). *Instructional models for physical education* (3rd-ed ed.). Routledge, Taylor & Francis Group.
- Mokalu, V. R., Panjaitan, J. K., Boiliu, N. I., & Rantung, D. A. (2022). Hubungan Teori Belajar dan Teknologi Pendidikan. *EDUKATIF : JURNAL ILMU PENDIDIKAN*, 4(1), 1475–1486. <https://doi.org/10.31004/edukatif.v4i1.2192>
- 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. Dalam *Pediatrics* (Vol. 132, Nomor 5).  
<https://doi.org/10.1542/peds.2013-1167>
- Morris, T., McGuire, M., & Walker, B. (2017). Integrating Social Studies and Social Skills for Students with Emotional and Behavioral Disabilities: A Mixed Methods Study. *The Journal of Social Studies Research*, 41(4), 253–262.  
<https://doi.org/10.1016/j.jssr.2017.04.001>
- Mukhtar, M., & Naz, F. (2021). Social skills as predictors of cognitive failure, attention deficits and psychological maladjustment in school children. *FWU Journal of Social Sciences*, 15(3), 140–151. <https://doi.org/10.51709/19951272/Fall-2021/9>
- Mulyana, F. R., Suherman, A., Mahendra, A., Subarjah, H., & Hidayat, Y. (2024). Enhancing social skills: Reliability and validity of the Indonesian version of SSIS-RS among physical education students. *Journal Sport Area*, 9(1), 11–19.  
[https://doi.org/10.25299/sportarea.2023.vol9\(1\).13492](https://doi.org/10.25299/sportarea.2023.vol9(1).13492)
- Nadrah, N., Tolla, I., Ali, M. S., & Muris, M. (2017). The Effect of Cooperative Learning Model of Teams Games Tournament (TGT) and Students' Motivation toward Physics Learning Outcome. *International Education Studies*, 10(2), 123.  
<https://doi.org/10.5539/ies.v10n2p123>
- Navarro-Talón, P., Ruiz-Lara, E., & González-Gálvez, N. (2024a). Efectos Del Modelo De Enseñanza De Responsabilidad Personal Y Social: Revisión Sistemática Y Metanálisis. *Cultura, Ciencia y Deporte*, 19(61).  
<https://doi.org/10.12800/ccd.v19i61.2140>
- Navarro-Talón, P., Ruiz-Lara, E., & González-Gálvez, N. (2024b). Effects of teaching Personal and social responsibility model: systematic review and meta-analysis. *Cultura, Ciencia y Deporte*, 19(61), 143–157.  
<https://doi.org/10.12800/ccd.v19i61.2140>

- Newell, K. M. (2020). What are Fundamental Motor Skills and What is Fundamental about Them? *Journal of Motor Learning and Development*, 8(2), 280–314. <https://doi.org/10.1123/JMLD.2020-0013>
- Nindhita, V., & Sutarmanto, H. (2024). Proses Perkembangan Keterampilan Sosial pada Wanita Dewasa Awal Dengan Latar Belakang Moving Family. *WACANA*. <https://api.semanticscholar.org/CorpusID:268422095>
- Nolan, D., Brady, A., & Edwards-Leis, C. (2025). Exploring life skills knowledge and influences on holistic coaching behaviours of primary school community football Physical Education coaches. *Sport, Education and Society*, 30(2), 222–236. <https://doi.org/10.1080/13573322.2023.2289581>
- Norito, T. B., Putri, S. A. R., Putra, D. D., & Fajar, M. (2022). Penerapan Cooperative Learning dalam Meningkatkan Keterampilan Gerak Dasar pada Siswa Usia 7-8 Tahun. *Jurnal Obsesi : Jurnal Pendidikan Anak Usia Dini*, 6(5), 3889–3900. <https://doi.org/10.31004/obsesi.v6i5.2507>
- Norman, M., & Jordan, J. (2006). Targeting Life Skills In 4-H. *EDIS, 2006*. <https://doi.org/10.32473/edis-4h242-2006>
- Notari, M., Baumgartner, A., & Herzog, W. (2014). Social skills as predictors of communication, performance and quality of collaboration in project-based learning. *Journal of Computer Assisted Learning*, 30(2), 132–147. <https://doi.org/10.1111/jcal.12026>
- Nurhasanah, E. (2023). Meningkatkan Kemampuan Guru Dalam Menerapkan Model-Model Pembelajaran Melalui Kegiatan Supervisi Kelas Di Sdn Cilamaang. *Jurnal Keguruan dan Ilmu Pendidikan*, 4(2).
- Nurhayati, E. (2017). Penerapan scaffolding untuk pencapaian kemandirian belajar siswa. *Jurnal Penelitian Pendidikan dan Pengajaran Matematika*, 3(1), 21–26.
- Nuryadi, N., Hidayat, Y., Budiana, D., & Negara, J. D. K. (2019, Oktober 22). Analysis of Former Athlete Coaching Model in Indonesia: A preliminary study. *3rd International Conference on Sport Science, Health, and Physical Education (ICSSHPE 2018)*. <https://doi.org/10.2991/icsshpe-18.2019.109>
- O'Brien, W., Khodaverdi, Z., Bolger, L., Murphy, O., Philpott, C., & Kearney, P. E. (2023). Exploring Recommendations for Child and Adolescent Fundamental Movement Skills Development: A Narrative Review. *International Journal of Environmental Research and Public Health*, 20(4). <https://doi.org/10.3390/ijerph20043278>
- OECD. (2021). *The State of Global Education: 18 Months into the Pandemic*. <https://doi.org/https://doi.org/10.1787/1a23bb23-en>
- O'Hagan, A. D., Behan, S., Peers, C., Belton, S., O'Connor, N., & Issartel, J. (2022). Do our movement skills impact our cognitive skills? Exploring the relationship between cognitive function and fundamental movement skills in primary school children. *Journal of Science and Medicine in Sport*, 25(11), 871–877. <https://doi.org/10.1016/j.jsams.2022.08.001>

- Ojeda-Troncoso, N., & Campos-Campos, K. (2025a). Adapted Sports-Based Games With Cooperative and Competitive Approaches on Social and Motor Skills in Early Primary School Students. *Perceptual and Motor Skills*. <https://doi.org/10.1177/00315125251342622>
- Ojeda-Troncoso, N., & Campos-Campos, K. (2025b). Adapted Sports-Based Games With Cooperative and Competitive Approaches on Social and Motor Skills in Early Primary School Students. *Perceptual and Motor Skills*. <https://doi.org/10.1177/00315125251342622>
- Oktarifaldi, O., Marta, I. A., Nugroho, A. W., Hardi, V. J., & Utomo, S. (2024). Keterampilan Gerak Dasar Kelompok Usia 7 sampai 9 Tahun siswa Sekolah Dasar. *Jendela Olahraga*, 9(1), 10–23. <https://doi.org/10.26877/jo.v9i1.17646>
- Olrich, T. W. (2002). Assessing Fundamental Motor Skills in the Elementary School Setting: Issues and Solutions. *Journal of Physical Education, Recreation & Dance*, 73(7), 26–28. <https://doi.org/10.1080/07303084.2002.10607843>
- Pan, M., & Hsu, W.-T. (2024). Examining students' tripartite efficacy beliefs in physical education through a teaching personal and social responsibility intervention. *The Journal of Educational Research*, 117(2), 87–97. <https://doi.org/10.1080/00220671.2024.2329585>
- Pang, A. W. Y., & Fong, D. T. P. (2009). Fundamental motor skill proficiency of Hong Kong children aged 6-9 Years. *Research in Sports Medicine*, 17(3), 125–144. <https://doi.org/10.1080/15438620902897516>
- Papalia, D. E., Olds, S. W. O., & Feldman, R. D. (2007). *Human Development* (10 ed.). McGraw-Hill, 2007.
- Patil, Y. S., Suryawanshi, A. T., Kumbhar, S. G., & Mane, S. S. (2023). Implementation of a Team Game Tournament a Collaborative Learning Method and Study of its Impact on Learners' Development. *Journal of Engineering Education Transformations*. <https://api.semanticscholar.org/CorpusID:257676962>
- Pavão, I., Santos, F., Wright, P. M., & Gonçalves, F. (2019). Implementing the teaching personal and social responsibility model within preschool education: strengths, challenges and strategies. *Curriculum Studies in Health and Physical Education*, 10(1), 51–70. <https://doi.org/10.1080/25742981.2018.1552499>
- Peters, L., Kok, G., Dam, G., Buijs, G., & Paulussen, T. (2009). Effective elements of school health promotion across behavioral domains: A systematic review of reviews. *BMC public health*, 9, 182. <https://doi.org/10.1186/1471-2458-9-182>
- Petitpas, A. J., Cornelius, A. E., Raalte, J. L. Van, & Jones, T. (2005). A Framework for Planning Youth Sport Programs That Foster Psychosocial Development. *The Sport Psychologist*, 19(1), 63–80. <https://doi.org/10.1123/tsp.19.1.63>
- Piek, J., Dawson, L., Smith, L., & Gasson, N. (2008). The role of early fine and gross motor development on later motor and cognitive ability. *Human movement science*, 27, 668–681. <https://doi.org/10.1016/j.humov.2007.11.002>

- Pierce, S., Gould, D., & Camiré, M. (2017). Definition and model of life skills transfer. Dalam *International Review of Sport and Exercise Psychology* (Vol. 10, Nomor 1, hlm. 186–211). Routledge. <https://doi.org/10.1080/1750984X.2016.1199727>
- Pozo, P., Grao-Cruces, A., & Pérez-Ordás, R. (2018). Teaching personal and social responsibility model-based programmes in physical education: A systematic review. *European Physical Education Review*, 24(1), 56–75. <https://doi.org/10.1177/1356336X16664749>
- Prajapati, R., Sharma, B., & Sharma, D. (2016). Significance Of Life Skills Education. *Contemporary Issues in Education Research (CIER)*, 10, 1. <https://doi.org/10.19030/cier.v10i1.9875>
- Quiñonero-Martínez, A. L., Cifo-Izquierdo, M. I., Sánchez-Alcaraz Martínez, B. J., & Gómez-Mármol, A. (2023). Effect of the hybridization of social and personal responsibility model and sport education model on physical fitness status and physical activity practice. *Frontiers in Psychology*, 14. <https://doi.org/10.3389/fpsyg.2023.1273513>
- Radley, K. C., & Dart, E. H. (2021). What Are Social Skills? *Social Skills Teaching for Individuals with Autism*.
- Raharjo, H. P., Kusuma, D. W. Y., Putra, R. B. A., & Irsyada, R. (2023). Physical education with the TPSR model: Building characters and basic manipulative movements in elementary school students. *Journal Sport Area*, 8(2), 239–250. [https://doi.org/10.25299/sportarea.2023.vol8\(2\).11072](https://doi.org/10.25299/sportarea.2023.vol8(2).11072)
- Rahayu, S. A. (2014). Latar Sosial Dan Kultural Pembelajaran Bahasa The Social And Cultural Settings Of Language Learning. *Jurnal Ketatabahasaan dan Kesusastraan*, 9(2), 117–126. <https://doi.org/10.26499/loa.v9i2.2078>
- Razali, Blegur, J., Ma'mun, A., Mahendra, A., Julianine, T., Evriansyah Lubis, A., Prasetyo, R., Aryani Tlonaen, Z., & Tinggi Olahraga dan Kesehatan Bina Guna, S. (2024). Physical Education Teachers' Experiences in Promoting Life Skills using Differentiated Instruction Experiencias de profesores de educación física en la promoción de habilidades para la vida mediante la instrucción diferenciada. *Federación Española de Asociaciones de Docentes de Educación Física (FEADEF)*, 641–654. <https://doi.org/https://doi.org/10.47197/retos.v57.106167>
- Razali, M. N., & Yap, B. W. (2011). Power Comparisons of Shapiro-Wilk, Kolmogorov-Smirnov, Lilliefors and Anderson-Darling Tests. *J. Stat. Model. Analytics*, 2.
- Reis, L. N., Reuter, C. P., Burns, R. D., Martins, C. M. de L., Mota, J., Gaya, A. C. A., Silveira, J. F. de C., & Gaya, A. R. (2024). Effects of a physical education intervention on children's physical activity and fitness: the PROFIT pilot study. *BMC Pediatrics*, 24(1). <https://doi.org/10.1186/s12887-024-04544-1>
- Reith-Hall, E. (2022). The teaching and learning of communication skills for social work students: a realist synthesis protocol. *Systematic Reviews*, 11(1). <https://doi.org/10.1186/s13643-022-02125-w>

- Richards, K. A. R., Ivy, V. N., Wright, P. M., & Jerris, E. (2019). Combining the Skill Themes Approach with Teaching Personal and Social Responsibility to Teach Social and Emotional Learning in Elementary Physical Education. *Journal of Physical Education, Recreation and Dance*, 90(3), 35–44. <https://doi.org/10.1080/07303084.2018.1559665>
- Rink, J. (2009). Teaching Physical Education for Learning. *Faculty Publications*.
- Riskesdas. (2018). *Laporan Riset Kesehatan Dasar 2018*. <https://layanananda.kemkes.go.id/katalog-data/riskesdas/ketersediaan-data/riskesdas-2018>
- Rivera-Pérez, S., Fernández-Río, J., & Gallego, D. I. (2020). Effects of an 8-Week Cooperative Learning Intervention on Physical Education Students' Task and Self-Approach Goals, and Emotional Intelligence. *International Journal of Environmental Research and Public Health*, 18.
- Robinson, L. E., Palmer, K. K., Webster, E. K., Logan, S. W., & Chinn, K. M. (2018). The Effect of CHAMP on Physical Activity and Lesson Context in Preschoolers: A Feasibility Study. *Research Quarterly for Exercise and Sport*, 89(2), 265–271. <https://doi.org/10.1080/02701367.2018.1441966>
- Robinson, L. E., Stodden, D. F., Barnett, L. M., Lopes, V. P., Logan, S. W., Rodrigues, L. P., & D'Hondt, E. (2015). Motor Competence and its Effect on Positive Developmental Trajectories of Health. *Sports Medicine*, 45(9), 1273–1284. <https://doi.org/10.1007/s40279-015-0351-6>
- Rodríguez-Negro, J., & Yancı, J. (2020). Which instructional models influence more on perceived exertion, affective valence, physical activity level, and class time in physical education? *Educational Psychology*, 40(5), 608–621. <https://doi.org/10.1080/01443410.2019.1613516>
- Rosmaini, R. (2010). MODEL-MODEL PEMBELAJARAN INOVATIF. <https://api.semanticscholar.org/CorpusID:147419404>
- Rosmi, Y. F. (2016). *Pendidikan Jasmani Dan Pengembangan Karakter Siswa Sekolah Dasar*. <https://api.semanticscholar.org/CorpusID:230460817>
- Rusmiyadi, Ma'mun, S., & Asroriyah. (2021). Analisis Gerak Dasar Fundamental Pada Siswa Kelas Atas Sekolah Dasar Negeri 2 Ciherang Jaya Kecamatan Cisata. *Ridyatdho: Jurnal Pendidikan Olahraga*, 4(2). <https://doi.org/http://dx.doi.org/10.31602/rjpo.v4i2.5555>
- Saenab, S., Zubaidah, S., Mahanal, S., & Lestari, S. R. (2021). Recode to re-code: An instructional model to accelerate students' critical thinking skills. *Education Sciences*, 11(1), 1–14. <https://doi.org/10.3390/EDUCSCI11010002>
- Safari, I. (2011). Model Pembelajaran Kooperatif Pendidikan Jasmani. Dalam *Sumedang: Universitas Pendidikan Indonesia Kampus Sumedang*. Bintang Warli Artika.
- Sánchez-Alcaraz, M. B., Gómez-Mármol, A., Valenzuela, A., & Courel Ibáñez, J. (2020). Implementation of the Teaching Personal and Social Responsibility Model

- to Reduce Violent and Disruptive Behaviors in Adolescents Through Physical Activity: A Quantitative Approach. *Journal of Teaching in Physical Education*, 40, 1–7. <https://doi.org/10.1123/jtpe.2019-0126>
- Savoji, A. P., & Ganji, K. (2013). Increasing Mental Health of University Students through Life Skills Training (LST). *Procedia - Social and Behavioral Sciences*, 84, 1255–1259. <https://doi.org/10.1016/j.sbspro.2013.06.739>
- Schunk, D. H. . (2012). *Learning theories : an educational perspective*. Pearson.
- Schunk, D. H., & DiBenedetto, M. K. (2022). Learning from a social cognitive theory perspective. Dalam *International Encyclopedia of Education: Fourth Edition* (hlm. 22–35). <https://doi.org/10.1016/B978-0-12-818630-5.14004-7>
- Schunk, D. H., & Usher, E. L. (2012). Social Cognitive Theory and Motivation. Dalam *The Oxford Handbook of Human Motivation*. <https://doi.org/10.1093/oxfordhb/9780195399820.013.0002>
- Senadheera, V. V, Ediriweera, D. S., & Rupasinghe, T. P. (2024). Instructional Design Models for Digital Learning in Higher Education-A Scoping Review. *Journal of Learning for Development*, 11(1), 15–26.
- Shen, Y., Martinek, T., & Dyson, B. P. (2022). Navigating the Processes and Products of The Teaching Personal and Social Responsibility Model: A Systematic Literature Review. *Quest*, 74(1), 91–107. <https://doi.org/10.1080/00336297.2021.2017988>
- Shiver, V. N., & Simonton, K. L. (2023). Navigating Emotional and Structural Influences While Implementing the Teaching Personal and Social Responsibility Model: A Case Study. *Journal of Teaching in Physical Education*, 42(1), 135–143. <https://doi.org/10.1123/jtpe.2021-0172>
- Shofa, K. Z., & Suroto. (2024a). Effectiveness Of The Cooperative Learning Model Type Teams Games Tournament (TGT) On Learning Outcomes In Basketball Learning. *Jurnal Pendidikan Jasmani (JPJ)*, 5(2).
- Shofa, K. Z., & Suroto. (2024b). Effectiveness Of The Cooperative Learning Model Type Teams Games Tournament (TGT) On Learning Outcomes In Basketball Learning. *Jurnal Pendidikan Jasmani (JPJ)*, 5(2). <https://doi.org/https://doi.org/10.55081/jpj.v5i2.3102>
- Slavin, R. E. (1995). Cooperative learning: Theory, research, and practice. *Allyn & Bacon*.
- Slavin, R. E. (2014). Aprendizaje cooperativo y rendimiento académico: ¿por qué funciona el trabajo grupal? *Anales de Psicología*, 30(3), 785–791. <https://doi.org/10.6018/analesps.30.3.201201>
- Slavin, Robert., Hurley, E., & Chamberlain, A. (2003). *Cooperative Learning and Achievement: Theory and Research* (Vol. 7). <https://doi.org/10.1002/0471264385.wei0709>

- Smith, A. J., Jordan, J. A., Flood, M. F., & Hansen, D. J. (2010). *Social Skills Interventions*. <https://api.semanticscholar.org/CorpusID:142063414>
- Smither, K., & Zhu, X. (2011). High school students' experiences in a Sport Education unit: The importance of team autonomy and problem-solving opportunities. *European Physical Education Review*, 17(2), 203–217. <https://doi.org/10.1177/1356336X11413185>
- Soto-Icaza, P., Aboitiz, F., & Billeke, P. (2015). Development of social skills in children: neural and behavioral evidence for the elaboration of cognitive models. *Frontiers in Neuroscience*, 9.
- Stodden, D. F., Langendorfer, S. J., Goodway, J. D., 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. <https://doi.org/10.1080/00336297.2008.10483582>
- Stodden, D., & Goodway, J. D. (2007). The Dynamic Association Between Motor Skill Development and Physical Activity. *Journal of Physical Education, Recreation & Dance*, 78(8), 33–49. <https://doi.org/10.1080/07303084.2007.10598077>
- Stodden, D., Langendorfer, S., Roberton, M. A., Rudisill, M., Garcia, C., & Garcia, L. (2008). A Developmental Perspective on the Role of Motor Skill Competence in Physical Activity: An Emergent Relationship. *Quest*, 60. <https://doi.org/10.1080/00336297.2008.10483582>
- Suardipa, I. P. (2020). Proses Scaffolding Pada Zone Of Proximal Development (ZPD) Dalam Pembelajaran. *Widyacarya : Jurnal Pendidikan, Agama, Budaya*, 4(1). <https://doi.org/https://doi.org/10.55115/widyacarya.v4i1.555>
- Subekti, N., Juhrodin, Mulyadi, A., & Narlan, A. (2024). Intentionally Structuring the Foundation of Moral Character Values in Physical Education, Sports, and Health Learning. *JUMORA: Jurnal Moderasi Olahraga*, 4(2), 118–128. <https://doi.org/10.53863/mor.v4i2.1385>
- Sugiyono. (2012). *Metode Penelitian Kombinasi : Mixed Methods*. <https://api.semanticscholar.org/CorpusID:146741299>
- Taber, K. (2018). Scaffolding learning: Principles for effective teaching and the design of classroom resources. Dalam *Effective Teaching and Learning: Perspectives, Strategies and Implementation* (hlm. 1–43).
- Tinnes-Vigne, M., Houssemann, C., Guay, F., Poncelet, D., & Dierendonck, C. (2025). Understanding the Use of Social and Emotional Learning in Elementary Schools: A Theory of Planned Behaviour Perspective. *European Journal of Investigation in Health, Psychology and Education*, 15(4). <https://doi.org/10.3390/ejihpe15040048>
- Toivonen, H. M., Wright, P. M., Hassandra, M., Hagger, M. S., Hankonen, N., Hirvensalo, M., Talvio, M., Gould, D., Kalaja, S., Tammelin, T., Laine, K., & Lintunen, T. (2021). Training programme for novice physical activity instructors using Teaching Personal and Social Responsibility (TPSR) model: A programme

- development and protocol. *International Journal of Sport and Exercise Psychology*, 19(2), 159–178. <https://doi.org/10.1080/1612197X.2019.1661268>
- Tomaino, M. A. E., Miltenberger, C. A., & Charlop, M. H. (2014). *Social Skills and Play in Children with Autism*.
- Tremblay, M. S., Aubert, S., Barnes, J. D., Saunders, T. J., Carson, V., Latimer-Cheung, A. E., Chastin, S. F. M., Altenburg, T. M., Chinapaw, M. J. M., Aminian, S., Arundell, L., Hinkley, T., Hnatiuk, J., Atkin, A. J., Belanger, K., Chaput, J. P., Gunnell, K., Larouche, R., Manyanga, T., ... Wondergem, R. (2017). Sedentary Behavior Research Network (SBRN) - Terminology Consensus Project process and outcome. *International Journal of Behavioral Nutrition and Physical Activity*, 14(1), 1–17. <https://doi.org/10.1186/s12966-017-0525-8>
- UNICEF. (2020). *Perundungan Di Indonesia: Fakta-fakta Kunci, Solusi, dan Rekomendasi untuk setiap anak*. <https://indonesia ureport.in/v2/opinion/3454/>
- Valentini, N. C., & Rudisill, M. E. (2004). Motivational Climate, Motor-Skill Development, and Perceived Competence: Two Studies of Developmentally Delayed Kindergarten Children. Dalam *JOURNAL OF TEACHING IN PHYSICAL EDUCATION* (Vol. 23).
- Valero-Valenzuela, A., García, D. G., Camerino, O., & Manzano, D. (2020). Hybridisation of the teaching personal and social responsibility model and gamification in physical education. *Apunts. Educacion Fisica y Deportes*, 141, 63–74. [https://doi.org/10.5672/APUNTS.2014-0983.ES.\(2020/3\).141.08](https://doi.org/10.5672/APUNTS.2014-0983.ES.(2020/3).141.08)
- Vameghi, R., Shams, A., & Shamsipour Dehkordi, P. (2013). The effect of age, sex and obesity on fundamental motor skills among 4 to 6 years-old children. *Pakistan journal of medical sciences*, 29, 586–589. <https://doi.org/10.12669/pjms.292.3069>
- 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. <https://doi.org/10.1016/j.jsams.2016.11.008>
- van Wyk, Micheal. M. (2011). The Effects of Teams-Games-Tournaments on Achievement, Retention, and Attitudes of Economics Education Students. *Journal of Social Sciences*, 26, 183–193. <https://api.semanticscholar.org/CorpusID:73532233>
- Waddell, J. C., & Peng, W. (2014). Does it matter with whom you slay? the effects of competition, cooperation and relationship type among video game players. *Computers in Human Behavior*, 38, 331–338. <https://doi.org/10.1016/j.chb.2014.06.017>
- Walker, H. M., Colvin, G., & Ramsey, E. (1995). *Antisocial behavior in schools: Strategies and best practices*. Pacific Grove. Brooks/Cole.
- Walkley, J. W., Holland, B. V, Treloar, R., & O'Connor, J. (1996). *Fundamental Motor Skills: A Manual for Classroom Teachers*.

- Walsh, D. S., Ozaeta, J., & Wright, P. M. (2010). Transference of responsibility model goals to the school environment: Exploring the impact of a coaching club program. *Physical Education and Sport Pedagogy*, 15(1), 15–28. <https://doi.org/10.1080/17408980802401252>
- Wang, M. C., Haertel, G. D., & Walberg, H. J. (1993). Toward a Knowledge Base for School Learning. *Review of Educational Research*, 63(3), 249–294. <https://doi.org/10.3102/00346543063003249>
- Wang, X., & Zhou, B. (2024). Motor development-focused exercise training enhances gross motor skills more effectively than ordinary physical activity in healthy preschool children: an updated meta-analysis. *Frontiers in Public Health*, 12. <https://doi.org/10.3389/fpubh.2024.1414152>
- Warini, S., Hidayat, Y. N., Ilmi, D., Islam, P. A., Tarbiyah, F., Keguruan, D., Islam, U., Sjech, N., Djamil, M., Bukittinggi, D., & Kunci, K. (2023). Education and Learning Journal Teori Belajar Sosial Dalam Pembelajaran. | ANTHOR: *Education and Learning Journal*, 2, 2023.
- Watson, D., & Clocksin, B. (2013). *Using Physical Activity and Sport to Teach Personal and Social Responsibility*. <https://doi.org/10.5040/9781718209015>
- Weiner, B., Festinger, L., Spiro, R. J., Sweller, J., Gagne, R. M., Thorndike, E. L., Bruner, J. S., Debono, E., Schoenfeld, A. H., Rumelhart, D. E., Norman, D. A., Gardner, H., Maltzman, I., Marton, F., Entwistle, N. J., & Tolman, E. R. (2003). *Explorations in Learning & Instruction: The Theory Into Practice Database*. <https://api.semanticscholar.org/CorpusID:17359006>
- Whitebread, D., & Coltman, P. (2015). *Teaching and Learning in the Early Years* (4th ed). Routledge. [https://doi.org/https://doi.org/10.4324/9781315858234](https://doi.org/10.4324/9781315858234)
- WHO. (1994). *Life Skills Education for Children and Adolescents in Schools. Introduction and Guidelines to Facilitate the Development and Implementation of Life Skills Programmes*. <https://iris.who.int/handle/10665/63552>
- WHO. (1996). *Life Skill Education*. WORLD HEALTH ORGANIZATION GENEVA.
- Wibowo, R., Budiman, D., Sumarno, G., Stephani, M. R., & Putri, W. (2021). Is physical activity level in physical education lesson related to fundamental movement skills at elementary schools? *International Journal of Human Movement and Sports Sciences*, 9(4), 31–37. <https://doi.org/10.13189/saj.2021.091306>
- Wick, K., Leeger-Aschmann, C. S., Monn, N. D., Radtke, T., Ott, L. V., Rebholz, C. E., Cruz, S., Gerber, N., Schmutz, E. A., Puder, J. J., Munsch, S., Kakebeeke, T. H., Jenni, O. G., Granacher, U., & Kriemler, S. (2017). Interventions to Promote Fundamental Movement Skills in Childcare and Kindergarten: A Systematic Review and Meta-Analysis. Dalam *Sports Medicine* (Vol. 47, Nomor 10, hlm. 2045–2068). Springer International Publishing. <https://doi.org/10.1007/s40279-017-0723-1>

- Widayanthi, D. G. C., Subhaktiyasa, P. G., Hariyanto, Wulandari, C. I. A. S., & Andrin, V. S. (2024). *Teori Belajar dan Pembelajaran* (Efitra, Ed.; 1st ed.). PT. Sonpedia Publishing Indonesia.
- Widodo, A., Indraswati, D., Sutisna, D., Pajarungi Anar, A., & Mataram, U. (2020). Pendidikan IPS Menjawab Tantangan Abad 21: Sebuah Kritik Atas Praktik Pembelajaran IPS di Sekolah Dasar. *Jurnal Pendidikan Ilmu Pengetahuan Sosial dan Ilmu-Ilmu Sosial*, 2(2). <https://doi.org/10.19105/ejis>
- Wodarski, J. S., & Feit, M. D. (2011). Adolescent preventive health and team-games-tournaments: Five decades of evidence for an empirically based paradigm. *Social Work in Public Health*, 26(5), 482–512. <https://doi.org/10.1080/19371918.2011.533561>
- Wright, P., & Burton, S. (2008). Implementation and Outcomes of a Responsibility-Based Physical Activity Program Integrated into an Intact High School Physical Education Class. *Journal of Teaching in Physical Education*, 27, 138–154. <https://doi.org/10.1123/jtpe.27.2.138>
- Wulandari, T. A., & Rosdiana, L. (2024). Improving Students' Social Skills Through Cooperative Learning: The Effectiveness of The Teams Games Tournament (TGT) Model. *Science Education and Application Journal*, 6(2), 2656–8365. <http://jurnalpendidikan.uniska.ac.id/index.php/SEAJ>
- Yaman, F., & Ozcinar, Z. (2020). Cited analysis of articles with keywords of 'Instructional Design' in DOAJ. *International Journal of Learning and Teaching*, 12, 55–71. <https://doi.org/10.18844/ijlt.v12i1.4567>
- Yang, C., Chen, R., Chen, X., & Lu, K.-H. (2021). The Efficiency of Cooperative Learning in Physical Education on the Learning of Action Skills and Learning Motivation. *Frontiers in Psychology*, 12.
- Yankey, T., & Biswas, U. N. (2012). Life skills training as an effective intervention strategy to reduce stress among tibetan refugee adolescents. *Journal of Refugee Studies*, 25(4), 514–536. <https://doi.org/10.1093/jrs/fer056>
- Yokoyama, K., Shima, H., Fujii, K., Tabuchi, N., & Yamamoto, Y. (2018). Social forces for team coordination in ball possession game. *Physical Review E*, 97(2). <https://doi.org/10.1103/PhysRevE.97.022410>
- Zhang, D., Soh, K. G., Chan, Y. M., & Zaremohzzabieh, Z. (2024). Effect of intervention programs to promote fundamental motor skills among typically developing children: A systematic review and meta-analysis. *Children and Youth Services Review*, 156. [doi.org/10.1016/j.chillyouth.2023.107320](https://doi.org/10.1016/j.chillyouth.2023.107320)
- Zhang, T., Lu, G., & Wu, X. Y. (2020). Associations between physical activity, sedentary behaviour and self-rated health among the general population of children and adolescents: A systematic review and meta-analysis. *BMC Public Health*, 20(1). <https://doi.org/10.1186/s12889-020-09447-1>

- Zhou, T., Wang, H., & Li, D. (2023). Focusing on the value of cooperative learning in physical education: a bibliometric analysis. *Frontiers in Psychology*, 14. <https://doi.org/10.3389/fpsyg.2023.1300986>
- Zhou, Y., De Shao, W., & Wang, L. (2021). Effects of feedback on students' motor skill learning in physical education: A systematic review. Dalam *International Journal of Environmental Research and Public Health* (Vol. 18, Nomor 12). MDPI AG. <https://doi.org/10.3390/ijerph18126281>
- Zulfikar, M. (2024). Kompetensi Keterampilan Gerak Dasar Siswa Sekolah Dasar di Kota Makassar. *CJPE: Cokroaminoto Journal of Primary Education*, 7(1). <https://e-journal.my.id/cjpe>
- Zulfikar, M. L., & Budiana, D. (2019a). Penerapan Model Pembelajaran Kooperatif Tipe Teams Games Tournament untuk Meningkatkan Partisipasi Belajar Siswa. *TEGAR: Journal of Teaching Physical Education in Elementary School*, 2(2). <https://doi.org/10.17509/tegar.v2i2.15080>
- Zulfikar, M. L., & Budiana, D. (2019b). Penerapan Model Pembelajaran Kooperatif Tipe Teams Games Tournament untuk Meningkatkan Partisipasi Belajar Siswa. *TEGAR: Journal of Teaching Physical Education in Elementary School*, 2(2). <https://doi.org/10.17509/tegar.v2i2.15080>
- Zulkifli, Z. A., Sharip, A. A., Zain, S. M. M., Rashid, N. N. A. R. A., Saidi, R. M., Rashid, N. A. M., & Geigiana, A. (2022). Integration of Instructional Models and Learning Styles for Open and Distance Learning Environment. *World Journal of English Language*, 12(2), 226–238. <https://doi.org/10.5430/wjel.v12n2p226>