

**PENGEMBANGAN MODEL BIMBINGAN ADAPTABILITAS KARIER
SISWA SEKOLAH MENENGAH KEJURUAN**

DISERTASI

Diajukan untuk memenuhi sebagian syarat memperoleh gelar
Doktor Pendidikan Teknologi dan Kejuruan



oleh:

RUDI HARYADI
NIM. 2002660

**PROGRAM STUDI PENDIDIKAN TEKNOLOGI DAN KEJURUAN
SEKOLAH PASCASARJANA
UNIVERSITAS PENDIDIKAN INDONESIA
2024**

PENGEMBANGAN MODEL BIMBINGAN ADAPTABILITAS KARIER SISWA SEKOLAH MENENGAH KEJURUAN

Oleh
Rudi Haryadi

A.Md. Universitas Jenderal Achmad Yani, 2004
S.T. Universitas Jenderal Achmad Yani, 2008
M.Pd. Universitas Pendidikan Indonesia, 2015

Sebuah Disertasi yang diajukan untuk memenuhi salah satu syarat memperoleh gelar Doktor Pendidikan (Dr.) pada Program Studi Pendidikan Teknologi dan Kejuruan

© Rudi Haryadi 2024
Universitas Pendidikan Indonesia
Agustus 2024

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

LEMBAR PENGESAHAN DISERTASI

RUDI HARYADI

2002660

PENGEMBANGAN MODEL BIMBINGAN ADAPTABILITAS KARIER SISWA SEKOLAH MENENGAH KEJURUAN

Disetujui dan disahkan oleh:

Promotor,

Prof. Dr. Ade Gafar Abdullah, S.Pd., M.Si.
NIP. 197211131999031001

Pengaji Dalam 1,

Dr. Eng. Agus Setiawan, M.Si.
NIP. 196902111993031001

Ko promotor,



Prof. Dr. Hj. Isma Widiaty, S.Pd., M.Pd.
NIP. 197106072001122001

Pengaji Dalam 2,

Prof. Dr. Aria, S.Pd., M.Pd.
NIP. 19720307199932002

Pengaji Luar,



Prof. Dr. Luthfiyah Nurlaela, M.Pd.
NIP. 196610181992032003

Mengetahui,
Ketua Program Studi
Pendidikan Teknologi dan Kejuruan,

Prof. Dr. Ade Gafar Abdullah, S.Pd., M.Si.
NIP. 197211131999031001

PENGEMBANGAN MODEL BIMBINGAN ADAPTABILITAS KARIER SISWA SEKOLAH MENENGAH KEJURUAN

Rudi Haryadi, Ade Gafar Abdullah, Isma Widiaty

ABSTRAK

Pembelajaran di Sekolah Menengah Kejuruan (SMK) diselenggarakan untuk membekali siswa agar menjadi lulusan mandiri yang kompeten dan dapat bekerja pada bidang tertentu. Namun pada kenyataannya, kesenjangan antara kompetensi yang diperoleh oleh lulusan dengan persyaratan yang diajukan oleh pasar kerja telah menimbulkan sejumlah permasalahan berupa ketidaksesuaian antara pekerjaan yang diemban dengan karakteristik keterampilan yang dimiliki, stagnasi dalam pengembangan karier, dan hambatan dalam memasuki sektor pekerjaan yang sesuai dengan spesialisasi yang dimiliki, sehingga pada proses pembelajarannya diperlukan bimbingan adaptabilitas karier untuk memenuhi tuntutan ini. Penelitian ini menggunakan pendekatan *Design-Based Research* (DBR) dengan metode *mix methods research*, bertujuan untuk menghasilkan model bimbingan adaptabilitas karier bagi siswa SMK yang berorientasi pada keberhasilan karier masa depan dengan indikator kebermaknaan hidup. Temuan riset adaptabilitas karier bagi siswa SMK sejalan dengan pemikiran Savickas, bahwa setiap orang harus memiliki kesiapan dalam menghadapi pekerjaan serta adaptasi pada perubahan dan situasi kerja yang dinamis. Temuan berkembang pada isu kelayakan pekerjaan, permasalahan ekonomi sebagai dampak perkembangan karier dan perkembangan riset untuk motivasi dan kemauan kerja. Kecukupan keterampilan yang dimiliki oleh siswa dan lulusan SMK diakui oleh industri sebagai hasil dari pembelajaran. Namun mereka masih memiliki kendala pemenuhan kompetensi kerja pada komponen karakter dan etos kerja. Beberapa permasalahan lain terkait karier lulusan SMK ditemukan pada kondisi sulitnya memasuki dunia kerja, bekerja tidak sesuai dengan kompetensinya, karier stagnan dan tidak memiliki rencana karier yang baik. Kondisi ini mengisyaratkan pentingnya bimbingan karier bagi siswa yang sejalan dengan Pendidikan di SMK untuk membentuk kelayakan kerja yang sesuai dengan bidang keahlian serta berorientasi pada pembentukan kebermaknaan hidup. Penelitian yang menggabungkan aspek adaptabilitas karier (*career concern, career control, career curiosities, career confidence*) dengan elemen *Ikigai* (*passion, mission, vocation, and profession*) menghasilkan model bimbingan adaptabilitas karier bagi siswa SMK yang dinamai *Vocational Career Table*. Model ini berisi tahapan pemenuhan kualifikasi karier bagi siswa SMK yang dapat meningkatkan adaptabilitas karier siswa sehingga memiliki kesiapan dan adaptasi karier yang selaras dengan tujuan hidup pada masa yang akan datang.

Kata kunci: Siswa SMK, Bimbingan adaptabilitas karier, *Ikigai*,

DEVELOPMENT OF A CAREER ADAPTABILITY GUIDANCE MODEL FOR VOCATIONAL SECONDARY SCHOOL STUDENTS

Rudi Haryadi, Ade Gafar Abdullah, Isma Widiaty

ABSTRACT

The purpose of education at Vocational High Schools (SMK) is to prepare students for independence as graduates who are qualified to work in certain sectors. But in reality, there are a number of issues resulting from the mismatch between the work held and the skills possessed, stagnation in career development, and barriers to entering the job sector that matches the specialization possessed. As a result, career adaptability guidance is required during the learning process to meet these demands. These issues include a mismatch between the competencies obtained by graduates and the requirements proposed by the labor market. This research uses a Design-Based Research (DBR) approach with a mixed methods research method, aiming to produce a career adaptability guidance model for vocational school students that is oriented towards future career success with indicators of the meaning of life. The current research trend on career adaptability for vocational school students is in line with Savickas' thinking that everyone must have readiness to face work and adapt to changes and dynamic work situations. Research is developing on the issue of job suitability, economic problems as an impact on career development and the development of research on motivation and willingness to work. The adequacy of skills possessed by vocational school students and graduates is recognized by industry as a result of learning. However, they still have obstacles in fulfilling work competencies in the components of character and work ethic. Several other problems related to the careers of vocational school graduates were found to be in difficult conditions entering the world of work, work not in accordance with their competencies, stagnant careers and not having a good career plan. This condition indicates the importance of career guidance for students which is in line with Vocational School education to establish work suitability in accordance with their field of expertise and is oriented towards creating meaningfulness in life. A career adaptability guidance model for vocational high school students called the Vocational Career Table is the result of research that integrates Ikigai elements (passion, mission, vocation, and profession) with career adaptability components (career concern, career control, career curiosity, and career confidence). This approach includes guidance steps for vocational high school students to complete professional requirements that can enhance their career flexibility and prepare them for careers that align with their long-term objectives.

Keywords: Vocational school students Career adaptability guidance, Ikigai ,

DAFTAR ISI

	halaman
LEMBAR PENGESAHAN DISERTASI	ii
HALAMAN KEASLIAN DISERTASI.....	iii
KATA PENGANTAR	i
HALAMAN UCAPAN TERIMA KASIH	ii
ABSTRAK	iv
DAFTAR ISI.....	vi
DAFTAR TABEL.....	viii
DAFTAR GAMBAR	ix
DAFTAR LAMPIRAN	xi
BAB I PENDAHULUAN	1
1.1 Latar Belakang Masalah	1
1.2 Rumusan Masalah.....	7
1.3 Tujuan Penelitian.....	7
1.4 Manfaat Penelitian	7
1.5 Sistematika Penulisan Disertasi.....	9
BAB II KAJIAN PUSTAKA	10
2.1. Adaptabilitas Karier.....	10
2.1.1. Aspek Adaptabilitas Karier.....	12
2.1.2. Riset Adaptabilitas Karier di Indonesia	15
2.1.3. <i>School to Work Transition</i>	24
2.1.4. Kompetensi Kerja	25
2.2. <i>Ikigai</i>	26
2.3. Aktivitas Pendidikan pada Sekolah Menengah Kejuruan (SMK)	31
2.3.1. Bimbingan pada SMK	33
2.3.2. Bimbingan Adaptabilitas Karier	34
2.3.3. Kesiapan Kerja.....	36
BAB III METODE PENELITIAN.....	38
3.1 Desain Penelitian	38
3.2 Partisipan dan Tempat Penelitian	43
3.2.1 Kegiatan Survei Profil Pembelajaran	43
3.2.2 Kegiatan FGD dan Wawancara Kecukupan Kompetensi dan Kendala Karier Siswa/Lulusan SMK	44
3.2.3 Kegiatan Uji Publik	46
3.3 Pengumpulan Data.....	47
3.3.1. Teknik Analisis Data	49

BAB IV TEMUAN DAN PEMBAHASAN	61
4.1 Tren Riset Terkini tentang Isu Adaptabilitas Karier.....	61
4.1.1. Temuan	62
4.1.2. Pembahasan	72
4.2 Permasalahan Adaptabilitas Karier pada Siswa SMK.....	86
4.2.1. Temuan	86
4.2.2. Pembahasan	107
4.3 Desain Model Bimbingan Adaptabilitas Karier berbasis Kolaborasi Adaptabilitas Karier dengan <i>Ikigai</i>	112
4.3.1. Temuan	114
4.3.2. Pembahasan	125
 BAB V SIMPULAN, IMPLIKASI DAN REKOMENDASI	 130
5.1 Simpulan.....	130
5.2 Implikasi	131
5.3 Rekomendasi Penelitian.....	134
 DAFTAR PUSTAKA	 136
 LAMPIRAN	

DAFTAR TABEL

	halaman
Tabel 2.1 Komponen <i>Career Adapt Abilities Scale (CAAS)</i>	11
Tabel 2.2 Karakteristik Dimensi Adaptabilitas Karier.....	14
Tabel 2.3 Dukungan Sosial untuk Pertimbangan Adaptabilitas Karier di Indonesia	17
Tabel 2.4 Perbedaan Pembelajaran dengan Bimbingan di SMK	31
Tabel 3.1 Sebaran Jumlah SMK dan Guru SMK di Indonesia	43
Tabel 3.2 Rumpun Bidang Keahlian SMK	45
Tabel 3.3 Responden FGD Kecukupan Kompetensi dan Kendala Karier Siswa/Lulusan SMK.....	45
Tabel 3.4 Data Responden Uji Publik.....	46
Tabel 3.5 Pengumpulan dan Data Penelitian	48
Tabel 3.6 Instrumen Profil Pembelajaran SMK	54
Tabel 3.7 Pertanyaan Survei Penerapan Model <i>Vocational Career Table</i>	57
Tabel 3.8 Instrumen Refleksi Model Bimbingan Adaptabilitas Karier	60
Tabel 4.1 Daftar Negara yang Mempublikasikan <i>Career Adaptability</i>	66
Tabel 4.2 Isu Adaptabilitas Karier Hasil Kajian SLR.....	68
Tabel 4.3 Tren Riset Adaptabilitas Karier berdasarkan Hasil <i>Bibliometric Analysis</i>	73
Tabel 4.4 Distribusi Partisipan Survei Profil Pembelajaran SMK	86
Tabel 4.5 Temuan FGD Kecukupan Kompetensi dan Permasalahan Karier.....	105
Tabel 4.6 Para Pihak dalam Penerapan <i>Vocational Career Table</i>	113
Tabel 4.7 Matriks Indikator <i>Vocational Career Table</i>	114
Tabel 4.8 Spektrum Bimbingan Adaptabilitas Karier <i>Vocational Career Table</i>	116
Tabel 4.9 Data Hasil Survei Uji Publik.....	122
Tabel 4.10 Data Rekomendasi Refleksi	123
Tabel 4.11 Struktur Materi Bimbingan Adaptabilitas Karier.....	124
Tabel 4.12 Struktur Materi Bimbingan <i>Vocational Career Table</i>	126
Tabel 4.13 Jurnal Kecakapan Model Bimbingan “ <i>Vocational Career Table</i> ” ..	128

DAFTAR GAMBAR

halaman

Gambar 1.1 Tingkat Pengangguran Terbuka (TPT) Tahun 2021–2023 berdasarkan Pendidikan Tertinggi yang Ditamatkan,.....	1
Gambar 2.1 Kondisi Ketenagakerjaan Indonesia Tahun 2023-2024	16
Gambar 2.2 Elemen <i>Ikigai</i>	28
Gambar 3.1 Prinsip <i>Design based Research</i> (Reeves, 2006).....	38
Gambar 3.2 Kerangka Berpikir Penelitian	40
Gambar 3.3 Desain Penelitian <i>Design Based Research</i>	41
Gambar 3.4 Prosedur Penelitian Pengembangan Model Bimbingan	42
Gambar 3.5 Tahapan <i>Bibliometric Analysis</i>	49
Gambar 3.6 Tahapan SLR dengan Metode PRISMA	51
Gambar 3.7 Skema Instrumen FGD Persepsi Kesiapan Kerja Lulusan SMK	55
Gambar 4.1 Distribusi Data Publikasi Berdasarkan Tahun Penerbitan	62
Gambar 4.2 Visualisasi Jaringan Antar Penulis Topik <i>Career Adaptability</i>	63
Gambar 4.3 Daftar 10 Teratas Penulis Berdasarkan Publikasi dan Sitas <i>Career Adaptability</i>	63
Gambar 4.4 Jenis Publikasi Ilmiah Tentang <i>Career Adaptability</i>	64
Gambar 4.5 Top15 Penerbit Artikel tentang <i>Career Adaptability</i>	65
Gambar 4.6 Jaringan Antar Negara dalam Publikasi Artikel <i>Career Adaptability</i>	65
Gambar 4.7 Tahapan SLR Adaptabilitas Karier	67
Gambar 4.8 Distribusi Publikasi pada Topik <i>Career Adaptability</i>	72
Gambar 4.9 Visualisasi Cluster Kata Kunci Kajian Tentang <i>Career Adaptability</i>	76
Gambar 4.10 Visualisasi Overlay Kata Kunci <i>Career Adaptability</i>	79
Gambar 4.11 5 Besar Daerah Asal Responden Survei.....	87
Gambar 4.12 Distribusi Profesi Responden Survei.....	87
Gambar 4.13 Pertanyaan Survei Pembelajaran SMK	89
Gambar 4.14 Persepsi Responden terhadap Pembelajaran di SMK	90
Gambar 4.15 Pertanyaan Survei Kecukupan Kompetensi	91
Gambar 4.16 Persepsi Responden Terhadap Kompetensi Lulusan SMK.....	91
Gambar 4.17 Pertanyaan survei peluang kerja lulusan SMK	92
Gambar 4.18 Persepsi peluang kerja lulusan SMK.....	92
Gambar 4.19 Pertanyaan survei kesiapan kerja lulusan SMK	93
Gambar 4. 20 Persepsi kesiapan kerja lulusan SMK	93
Gambar 4. 21 Pertanyaan survei pemahaman jenjang karier	94
Gambar 4. 22 Persepsi pemahaman jenjang karier	95
Gambar 4. 23 Pertanyaan Survei Penguatan Adaptasi Kerja	95
Gambar 4. 24 Persepsi Kebutuhan Penguatan Adaptasi Lulusan SMK	96
Gambar 4. 25 Pertanyaan Survei Masa Tunggu Lulusan SMK	96
Gambar 4. 26 Persepsi Responden mengenai Durasi Masa Tunggu	97
Gambar 4. 27 Pertanyaan Survei Pemanfaatan Masa Tunggu	97
Gambar 4. 28 Persepsi Aktivitas pada Masa Tunggu	98
Gambar 4. 29 Pertanyaan Survei Durasi Waktu Bimbingan Kerja.....	98
Gambar 4. 30 Persepsi Durasi Waktu Bimbingan	98

Gambar 4. 31 Pertanyaan Survei Penyelenggaraan Bimbingan Karier	99
Gambar 4. 32 Persepsi Penyelenggaraan Pelatihan	99
Gambar 4.33 Pertanyaan Survei Materi Bimbingan	100
Gambar 4.34 Persepsi tentang materi pelatihan	101
Gambar 4.35 Pertanyaan Survei Kegiatan Magang dalam Bimbingan Kerja.....	101
Gambar 4.36 Persepsi Kegiatan Magang dalam Bimbingan Kerja.....	101
Gambar 4.37 Pertanyaan Survei Orientasi Pelatihan	102
Gambar 4.38 Persepsi Orientasi Bimbingan pada Rekrutmen Kerja	102
Gambar 4.39 Pertanyaan Survei Monitoring dan Evaluasi Bimbingan	103
Gambar 4.40 Persepsi Pentingnya Monev pada Dampak Pelatihan	103
Gambar 4.41 Dokumentasi Kegiatan FGD Daring	104
Gambar 4.42 Rubrik Survei Refleksi Uji Publik	119
Gambar 4.43 Grafik Pemenuhan Komponen Karier Siswa/Lulusan SMK.....	120

DAFTAR LAMPIRAN

Lampiran 1: Dokumen Penelitian.....	150
Lampiran 2: Dokumen SLNA	155
Lampiran 3: Dokumen Survei Profil Pembelajaran danLulusan SMK	191
Lampiran 4: DokumenFocus Group Discussion (FGD) Kecukupan Kompetensi dan Masalah Karier Lulusan SMK	213
Lampiran 5: Dokumen WorkshopPengembangan Desain Model (Vocational Career)	
Lampiran 6: Dokumen Sosialisasi dan Uji Publik	241
Lampiran 7: Dokumen Validasi Model	252

DAFTAR PUSTAKA

- Abdullah-Al-Mamun, M. (2012). The Soft Skills Education for the Vocational Graduate: Value as Work Readiness Skills. *British Journal of Education, Society & Behavioural Science*, 2(4), 326–338. <https://doi.org/10.9734/bjesbs/2012/1858>
- Aji Saputra, F., Adityawarman, & Rahman Nursyabani, S. (2024). Analisis Dampak Kesalahan Pemilihan Jurusan terhadap Prestasi Akademik dan Kesejahteraan Psikologis Mahasiswa. *Jurnal Ilmu Kesehatan Umum, Psikolog, Keperawatan Dan Kebidanan*, 2(2), 180–192. <https://journal.arikesi.or.id/index.php/Corona/article/view/418/466>
- Akkermans, J., Paradníké, K., Van der Heijden, B. I. J. M., & De Vos, A. (2018). The best of both worlds: The role of career adaptability and career competencies in students' well-being and performance. *Frontiers in Psychology*, 9, 1678. <https://doi.org/10.3389/fpsyg.2018.01678>
- Ali, J., & Yusuf, N. (2021). International Quality Certification and Business Performance of Indian Firms: Evidence from Enterprise Survey Data. *Global Business Review*, 22(6), 1459–1470. <https://doi.org/10.1177/0972150919825514>
- Almutairi, M. M., Yamin, M., Halikias, G., & Sen, A. A. A. (2022). A framework for crowd management during COVID-19 with artificial intelligence. *Sustainability (Switzerland)*, 14(1), 1–13. <https://doi.org/10.3390/su14010303>
- Anastasya, A., Hasibuan, J., Shafa, A. M., Debora, D., Putri, F. A., Nst, S. N., Sekolah, P. L., & Medan, U. N. (2023). ANALISIS MODEL PELATIHAN PADA LEMBAGA KURSUS DAN PELATIHAN TATA RIAS IFO ANALYSIS OF TRAINING MODELS AT IFO COURSE AND TRAINING. 6(1).
- Aris, N., Nurita, W., & Meidariani N.W. (2023). Ikigai Pada Masyarakat Jepang. *Jpbj*, 9(2), 103–110.
- Arsini, Y., Putri, S., Harahap, N., Chofillah, I., & Lubis, S. K. (2023). Perencanaan Dan Peminatan Individu Dalam Managemen Bimbingan Konseling. *Jurnal Psikologi Dan Bimbingan Konseling*, 1(2), 1–15.
- Astuti, M., Siregar, W. L., Maiyana, E., & Jalius, N. (2024). Kontribusi Pragmatisme pada Pendidikan Vokasional di Era Digital. 10(1), 1–8.
- Autin, K. L., Douglass, R. P., Duffy, R. D., England, J. W., & Allan, B. A. (2017). Subjective social status, work volition, and career adaptability: A longitudinal study. In *Journal of Vocational Behavior* (Vol. 99, pp. 1–10). <https://doi.org/10.1016/j.jvb.2016.11.007>
- Averina, R. Y., & Widagda, I. G. N. J. A. (2021). 肖沉 1, 2, 孙莉 1, 2 , 曹彬彬 1, 2, 梁浩 1, 2, 程焱 1, 2. *Tjyybjb.Ac.Cn*, 27(2), 635–637.
- Ayala, Y., Bayona, J. A., Karaeminogullari, A., Perdomo-Ortíz, J., & Ramos-Mejía, M. (2020). We Are Very Similar but Not Really: The Moderating Role of Cultural Identification for Refugee Resettlement of Venezuelans in Colombia. *Frontiers in Psychology*, 11, 569394. <https://doi.org/10.3389/fpsyg.2020.569394>

- Azzuhriyyah, A. A., Indrawati, & Ramantoko, G. (2023). *A Systematic Literature Review on Metaverse*. 4(3), 118–125. https://doi.org/10.2991/978-94-6463-340-5_11
- Basyarah, S. F., Marjo, H. K., & Herdi, H. (2021). Pengembangan Program Bimbingan Karier Untuk Meningkatkan Adaptabilitas Karier Siswa Jurusan Ipa Sma Negeri 7 Bekasi. *Jurnal Mahasiswa BK An-Nur : Berbeda, Bermakna, Mulia*, 7(3), 13. <https://doi.org/10.31602/jmbkan.v7i3.5438>
- Batt, S., Grealis, T., Harmon, O., & Tomolonis, P. (2020). Learning Tableau: A data visualization tool. *Journal of Economic Education*, 51(3–4), 317–328. <https://doi.org/10.1080/00220485.2020.1804503>
- Bolukbasi, A., & KIRDÖK, O. (2019). The mediating role of future orientation in the relationship between career adaptability and life satisfaction in high school students. *EGITIM VE BILIM-EDUCATION AND SCIENCE*, 44(200). <https://doi.org/10.15390/EB.2019.8090>
- Bound, H., & Lin, M. (2013). Developing Competence at Work. *Vocations and Learning*, 6(3), 403–420. <https://doi.org/10.1007/s12186-013-9102-8>
- BPS. (2024). *Keadaan Angkatan Kerja di Indonesia* (No. 46; 1). <https://doi.org/0126-647X>
- Brown, S. D., & Lent, R. W. (2016). Vocational psychology: Agency, equity, and well-being. *Annual Review of Psychology*, 67, 541–565. <https://doi.org/10.1146/annurev-psych-122414-033237>
- Buenconsejo, J. U., & Alfonso D. Datu, J. (2020). Growth and fixed mindsets about talent matter for career development self-efficacy in selected Filipino adolescents. *Children and Youth Services Review*, 118(September), 105470. <https://doi.org/10.1016/j.childyouth.2020.105470>
- Bulturbayevich, M. B., Ikromjonovich, T. I., & ... (2021). Types of Competence. *Conference* ..., 281–286. <http://www.conferencezone.org/index.php/cz/article/download/93/90>
- Byrne, M., Willis, P., & Burke, J. (2012). Influences on school leavers' career decisions - Implications for the accounting profession. *International Journal of Management Education*, 10(2), 101–111. <https://doi.org/10.1016/j.ijme.2012.03.005>
- Cabras, C., & Mondo, M. (2018). Future Orientation as a Mediator Between Career Adaptability and Life Satisfaction in University Students. *Journal of Career Development*, 45(6), 597–609. <https://doi.org/10.1177/0894845317727616>
- Carroll, M., Marchington, M., Earnshaw, J., & Taylor, S. (1999). Recruitment in small firms: Processes, methods and problems. *Employee Relations*, 21(3), 236–250. <https://doi.org/10.1108/01425459910273080>
- Casale-Giannola, D. (2012). Comparing inclusion in the secondary vocational and academic classrooms: Strengths, needs, and recommandations. *American Secondary Education*, 40(2), 26–43.
- Chan, S. H. J., & Mai, X. (2015). The relation of career adaptability to satisfaction and turnover intentions. *Journal of Vocational Behavior*, 89, 130–139. <https://doi.org/10.1016/j.jvb.2015.05.005>

- Chankseliani, M., James Relly, S., & Laczik, A. (2016). Overcoming vocational prejudice: how can skills competitions improve the attractiveness of vocational education and training in the UK? *British Educational Research Journal*, 42(4), 582–599. <https://doi.org/10.1002/berj.3218>
- Chui, H., Li, H., & Ngo, H. (2022). Linking protean career orientation with career optimism: career adaptability and career decision self-efficacy as mediators. *Journal of Career Development*, 49(1), 161–173. <https://doi.org/10.1177/0894845320912526>
- Chun-Mei, C., Shen, C.-H., Shen, Tsu-Chuan, Shen, & Tsu-Chi. (2020). Vocational Teacher's Demand Analysis for the Literacy-Oriented Teaching of the 12-Nation New Curriculum: Multi-case Research Design Method. *International Journal of Social Science and Humanity*, 10(2), 62–67. <https://doi.org/10.18178/ijssh.2020.v10.1015>
- Coetzee, M., & Harry, N. (2014). Emotional intelligence as a predictor of employees' career adaptability. *Journal of Vocational Behavior*, 84(1), 90–97. <https://doi.org/10.1016/j.jvb.2013.09.001>
- Cohen, J. S., & Smerdon, B. A. (2009). Tightening the Dropout Tourniquet: Easing the Transition From Middle to High School. *Preventing School Failure: Alternative Education for Children and Youth*, 53(3), 177–184. <https://doi.org/10.3200/psfl.53.3.177-184>
- Creed, P. A. (2014). *School-to-Work Transition : From Theory to Practice* SCHOOL-TO-WORK TRANSITION : FROM THEORY TO PRACTICE Authors : Mary Rogers and Peter Creed Affiliation : Griffith University , Gold Coast Address for Correspondence : School of Applied Psychology PMB 50 G. January 2000.
- Cunningham, W., & Salvagno, J. (2011). Youth employment transitions in Latin America. *Policy Research Working Paper*, 5521. <https://openknowledge.worldbank.com/handle/10986/3294>
- Desmet, P., & Fokkinga, S. (2020). Beyond maslow's pyramid: Introducing a typology of thirteen fundamental needs for human-centered design. *Multimodal Technologies and Interaction*, 4(3), 1–22. <https://doi.org/10.3390/mti4030038>
- Dixon, M. R., Jackson, J. W., Small, S. L., Horner-King, M. J., Lik, N. M. K., Garcia, Y., & Rosales, R. (2009). Creating Single-Subject Design Graphs in Microsoft Excel™ 2007. *Journal of Applied Behavior Analysis*, 42(2), 277–293. <https://doi.org/10.1901/jaba.2009.42-277>
- Duarte, M. E. (1995). Career concerns, values, and role salience in employed men. *The Career Development Quarterly*, 43(4), 338–349. <https://doi.org/https://doi.org/10.1002/j.2161-0045.1995.tb00438.x>
- Easterday, M. W., Lewis, D. R., & Gerber, E. (2014). Design-based research process: Problems, phases, and applications problems arising from the ill-definition of DBR. *Proceedings of the International Conference of the Learning Sciences*, 317–324.
- Eck, N. J. Van, & Waltman, L. (2016). Text Mining and Visualization. *Text Mining and Visualization*, 1–5. <https://doi.org/10.1201/b19007>

- Ernawati, R., Deliviana, E., & Wigunawati, E. (2024). The Moderation Effect of Academic Resilience Self-Regulation and Career Adaptability in Students. *Journal of Higher Education Theory and Practice*, 24(2), 117–126. <https://doi.org/10.33423/jhetp.v24i2.6796>
- Fatmawati, E., Oktarika, D., Santoso, D., Puspitasari, H., Nurcahyo, R. W., & Sari, M. I. (2023). Kesiapan Kerja Siswa Ditinjau dari Harga Diri (Self-Esteem) dan Efikasi Diri (Self-Efficacy). *Edukasi: Jurnal Pendidikan*, 21(1), 1–14. <https://doi.org/10.31571/edukasi.v21i1.5462>
- Febriani, L. M., Sihabuddin, M. A., & Fitri, H. U. (2023). Hubungan Adaptabilitas Karier Terhadap Prestasi Akademik. *Journal of Society Counseling*, 1(2), 120–129.
- Fekete, A. C. (2016). The Importance of Motivation in Choosing a Teaching Career. *Euromentor Journal*, VII(2), 1–132.
- Fialko, A. I., Tiunov, S. V., & Senan, A. M. (2023). Practice-oriented model of professional training of students – future teachers of technical disciplines in the system: secondary vocational education – higher education. *Perspektivy Nauki i Obrazovania*, 62(2), 749–765. <https://doi.org/10.32744/pse.2023.2.44>
- Georgellis, Y., & Lange, T. (2007). Participation in continuous, on-the-job training and the impact on job satisfaction: Longitudinal evidence from the German labour market. *International Journal of Human Resource Management*, 18(6), 969–985. <https://doi.org/10.1080/09585190701321112>
- Grellety, E., Babakazo, P., Bangana, A., Mwamba, G., Lezama, I., Zagre, N. M., Ategbo, E. A., Bentham, J., Di Cesare, M., Bilano, V., Bixby, H., Zhou, B., Stevens, G. A., Riley, L. M., Taddei, C., Hajifathalian, K., Lu, Y., Savin, S., Cowan, M. J., ... Ryan, K. (2015). Entrepreneurship Education Model Toward An Entrepreneurial University. *Food and Nutrition Bulletin*, 12(3), 210. <https://www.google.com.my/#q=SHAKE+Technical+Package+for+Salt+Reduction+%0Ahttp://www.wcrf.org/int/policy/our-policy-work/curbing-global-sugar-consumption%0Ahttp://link.springer.com/article/10.1007/s11936-012-0182-9%5Cnhttp://link.springer.com/article/10>
- Grugulis, I., & Vincent, S. (2009). Whose skill is it anyway?: “Soft” skills and polarization. *Work, Employment and Society*, 23(4), 597–615. <https://doi.org/10.1177/0950017009344862>
- Guan, Y., Zhou, X., Zheng, Y., Wen, S., Fu, Y., Hu, N., Fu, A., Han, Y., & Wang, Z. (2022). Role of perceived events in university graduates’ job search self-efficacy and success. *Journal of Vocational Behavior*, 136, 103741. <https://doi.org/https://doi.org/10.1016/j.jvb.2022.103741>
- Gül en, C., Seçim, G., & Savickas, M. (2021). A Career Construction Course for High School Students: Development and Field Test. *Career Development Quarterly*, 69(3), 201–215. <https://doi.org/10.1002/cdq.12268>
- Hanushek, E. A., Woessmann, L., & Zhang, L. (2021). General Education, Vocational Education, and Labor-Market Outcomes Over the Life-Cycle. *SSRN Electronic Journal*, 6083. <https://doi.org/10.2139/ssrn.1958738>
- Hartung, P. J. (2002). Development through work and play. *Journal of Vocational Behavior*, 61(3), 424–438. <https://doi.org/10.1006/jvbe.2002.1884>

- Haryadi, R., & Abdullah, A. G. (2016). Design Conceptual of Hybrid Project Based Learning-PEPPER in Computer Networking Learning. *Innovation of Vocational Technology Education*, 11(2), 143–153. <https://doi.org/10.17509/invotec.v11i2.2148>
- Haryadi, R., Abdullah, A. G., & Widiaty, I. (2024). Tracing the trajectory of vocational education research on career adaptability: a bibliometric study. *Journal of Education and Learning (EduLearn)*, 18(4), 1173–1186. <https://doi.org/10.11591/edulearn.v18i4.20909>
- Harzing, A. W., Sebastian Reiche, B., & Pudelko, M. (2013). Challenges in international survey research: A review with illustrations and suggested solutions for best practice. *European Journal of International Management*, 7(1), 112–134. <https://doi.org/10.1504/EJIM.2013.052090>
- Hasegawa, A., Fujiwara, Y., & Hoshi, T. (2001). The Review of IKIGAI on the Relationship of Ikigai and Well-being in the Elderly. *Comprehensive Urban Studies*, 75, 147–170.
- Hatane, S. E., Gunawan, F. A., & Pratama, S. W. (2021). Intrinsic motivation, career exposure, and quality of life: How do they influence the accounting students' career choice? *Journal of Education and Learning (EduLearn)*, 15(3), 335–345. <https://doi.org/10.11591/edulearn.v15i3.19870>
- Hawkins, D. N., & Booth, A. (2005). Unhappily ever after: Effects of long-term, low-quality marriages on well-being. *Social Forces*, 84(1), 451–471. <https://doi.org/10.1353/sof.2005.0103>
- Henderson, M., Hotopf, M., & Wessely, S. (2003). Workplace counselling. *Occupational and Environmental Medicine*, 60(12), 899–900. <https://doi.org/10.1136/oem.60.12.899>
- Hetherington, D. (2020). *Models of Vocational Training Provision : Lessons from the Victorian experience*.
- Hlad o, P., Kvasková, L., Ježek, S., Hirschi, A., & Macek, P. (2020). Career Adaptability and Social Support of Vocational Students Leaving Upper Secondary School. *Journal of Career Assessment*, 28(3), 478–495. <https://doi.org/10.1177/1069072719884299>
- Hla o, P., Lazarová, B., & Hloušková, L. (2019). Career adaptability of vocational education and training graduates in the period of prospective school-to-work transition. *Studia Paedagogica*, 24(2), 59–83. <https://doi.org/10.5817/SP2019-2-3>
- Huebner, R. A., Emery, L. J., & Shordike, A. (2002). The adolescent role assessment: Psychometric properties and theoretical usefulness. *The American Journal of Occupational Therapy*, 56(2), 202–209. <https://doi.org/10.5014/ajot.56.2.202>
- Juwita, R., Afdal, M., & Satriana, F. (2024). Career Decision Self-Efficacy pada Peserta Didik Sekolah Menengah Pertama di Indonesia: Kajian Sistemik. *Jurnal Psikologi*, 1(4), 11. <https://doi.org/10.47134/pjp.v1i4.2583>
- Kamprath, M., & Mietzner, D. (2015). The impact of sectoral changes on individual competences: A reflective scenario-based approach in the creative industries. *Technological Forecasting and Social Change*, 95, 252–275. <https://doi.org/10.1016/j.techfore.2015.01.011>

- Karren, R. J., & Barringer, M. W. (2002). A Review and Analysis of the Policy-Capturing Methodology in Organizational Research: Guidelines for Research and Practice. *Organizational Research Methods*, 5(4), 337–361. <https://doi.org/10.1177/109442802237115>
- Kartikasari, M. A. (2023). Menumbuhkan Jiwa Kewirausahaan Sejak Dini Membangun Mental Yang Tangguh. *TPET (Where Theory, Pratice, Experience & Talent Meet) : Community Service Journal*, 3(1 (April)), 1–7. <https://journal.stiegici.ac.id/index.php/tpet>
- Kim, N., & Lee, K. (2018). The effect of internal locus of control on career adaptability: The mediating role of career decision making self efficacy and occupational engagement. *Journal of Employment Counseling*, 55(1), 2–15. <https://doi.org/https://doi.org/10.1002/jec.12069>
- Kizilaslan, N. (2006). Agricultural information systems: A national case study. *Library Review*, 55(8), 497–507. <https://doi.org/10.1108/00242530610689347>
- Koen, J., Klehe, U., & Vianen, A. E. M. Van. (2012). Training career adaptability to facilitate a successful school-to-work transition. *Journal of Vocational Behavior*, 81(3), 395–408. <https://doi.org/10.1016/j.jvb.2012.10.003>
- Köpsén, S. (2014). How vocational teachers describe their vocational teacher identity. *Journal of Vocational Education and Training*, 66(2), 194–211. <https://doi.org/10.1080/13636820.2014.894554>
- Kuran, M. , Pedersen, J. M., & Elsner, R. (2018). Learning management systems on blended learning courses: An experience-based observation. *Advances in Intelligent Systems and Computing*, 681(September), 141–148. https://doi.org/10.1007/978-3-319-68720-9_17
- Kusumasari, T. F., & Fitria. (2017). Data profiling for data quality improvement with OpenRefine. *2016 International Conference on Information Technology Systems and Innovation, ICITSI 2016 - Proceedings, October 2016*. <https://doi.org/10.1109/ICITSI.2016.7858197>
- Kvasková, L., Hlado, P., Palíšek, P., Šašinka, V., Hirschi, A., Ježek, S., & Macek, P. (2023). A Longitudinal Study of Relationships Between Vocational Graduates' Career Adaptability, Career Decision-Making Self-Efficacy, Vocational Identity Clarity, and Life Satisfaction. *Journal of Career Assessment*, 31(1), 27–49. <https://doi.org/10.1177/1069072721084106>
- Lang, F. R., & Carstensen, L. L. (2002). Time counts: Future time perspective, goals, and social relationships. *Psychology and Aging*, 17(1), 125–139. <https://doi.org/10.1037/0882-7974.17.1.125>
- Lidinillah, D. A. M. (2018). Educational Design Research : a Theoretical Framework for Action. *Universitas Siliwangi*, 1(1), 1–13.
- Lin, Q., & Wang, C. (2022). Construction of the Educational Model of Vocational College Students' Career Planning Based on Design Thinking. *Ergonomics In Design*, 47(1), 1–8. <https://doi.org/10.54941/ahfe1001912>
- M Rofi, Efriyani Sumastuti, & Qristin Violinda. (2023). Analysis OF Work Readiness Students Universitas PGRI Semarang. *JEMSI (Jurnal Ekonomi, Manajemen, Dan Akuntansi)*, 9(6), 2564–2572. <https://doi.org/10.35870/jemsi.v9i6.1680>

- Madellu, G. I. R., & Nur Fadhilah, D. (2022). Role of Future Time Perspective on Career Adaptability towards Senior Students. *JPPP - Jurnal Penelitian Dan Pengukuran Psikologi*, 11(1), 19–28. <https://doi.org/10.21009/jppp.111.04>
- Maki, Y. (2021). Ikigai interventions for primary, secondary, and tertiary prevention of dementia. *Aging and Health Research*, 1(3), 100026. <https://doi.org/10.1016/j.ahr.2021.100026>
- Marasaoli, W. T., Hadi, A., Aryani, E., & Nurbaiti, A. T. (2024). *The Influence of Employability Skills on Career Maturity in Yogyakarta Industrial Vocational School Students* (Issue Aicgc 2023). Atlantis Press SARL. https://doi.org/10.2991/978-2-38476-234-7_21
- Maree, J. G. (2019). Group career construction counseling: A mixed methods intervention study with high school students. *The Career Development Quarterly*, 67(1), 47–61. <https://doi.org/https://doi.org/10.1002/cdq.12162>
- Maree, K. (2017). Psychology of career adaptability, employability and resilience. *Psychology of Career Adaptability, Employability and Resilience*, August 2017, 1–453. <https://doi.org/10.1007/978-3-319-66954-0>
- Masdonati, J., Lamamra, N., & Jordan, M. (2010). Vocational education and training attrition and the school-to-work transition. *Education and Training*, 52(5), 404–414. <https://doi.org/10.1108/00400911011058343>
- Mendoza Velazco, D. J., Flores Hinostroza, E. M., Muñoz Briones, J. L., & García Cedeño, M. L. (2023). Writing and scientific publication skills of university teachers: A survey study. *Journal of Education and Learning (EduLearn)*, 17(4), 613–622. <https://doi.org/10.11591/edulearn.v17i4.20945>
- Millán, Á., García-Unanue, J., & Retamosa, M. (2023). Which career should I choose? Application of a pre-university vocational guidance platform based on the Ikigai methodology. *International Conference on Higher Education Advances*, 533–540. <https://doi.org/10.4995/HEAD23.2023.16251>
- Miskiyah, E. M., & Safitri, D. (2024). *Pengaruh Dukungan Sosial Terhadap Adaptabilitas Karier Pada Mahasiswa Pendidikan IPS , Fakultas Ilmu Sosial , Universitas Negeri Jakarta The Influence of Social Support on Career Adaptability in Social Sciences Education Students , Faculty of Social Scien.* 3843–3852.
- Mostafazadeh, F. (2020). *Journal of System Management (JSM)* 6(4),.. 6(4), 243–267.
- Mryglod, O., & Kenna, R. (2018). Data Mining in Scientometrics : U sage A nalysis for A cademic P ublications. *2018 IEEE Second International Conference on Data Stream Mining & Processing (DSMP)*, 241–246.
- Muhson, A., Wahyuni, D., Supriyanto, S., & Mulyani, E. (2012). Analisis Relevansi Lulusan Perguruan Tinggi Dengan Dunia Kerja. *Jurnal Economia*, 8(1), 42–52. <http://journal.uny.ac.id/index.php/economia/article/view/800>
- Mukhadis, A., Ulfatin, N., & Putra, A. B. N. R. (2019). Synchronization of the Potential of Industrial World With School Profiles Vocational To Improve Quality and Capability Graduates of Vocational Schools in Indonesia. *Jurnal Ilmu Pendidikan*, 24(2), 47. <https://doi.org/10.17977/um048v24i2p47-54>

- Mulyanti, R. Y. (2021). Perbedaan Nilai-Nilai Kerja Generasi Baby Boomer, Generasi X dan Generasi Y (Survey Pada Karyawan Hotel Provinsi Jawa Barat). *Jurnal Ekobis : Ekonomi Bisnis & Manajemen*, 11(1), 79–91. <https://doi.org/10.37932/j.e.v11i1.251>
- Nanda Nur Rafiana. (2023). Technopreneurship Strategy to Grow Entrepreneurship Career Options for Students in Higher Education. *ADI Journal on Recent Innovation (AJRI)*, 5(2), 110–126. <https://doi.org/10.34306/ajri.v5i2.995>
- Negru-Subtirica, O., Pop, E. I., & Crocetti, E. (2015). Developmental trajectories and reciprocal associations between career adaptability and vocational identity: A three-wave longitudinal study with adolescents. *Journal of Vocational Behavior*, 88(37), 131–142. <https://doi.org/10.1016/j.jvb.2015.03.004>
- Ng, T. W. H., & Feldman, D. C. (2007). The school-to-work transition: A role identity perspective. *Journal of Vocational Behavior*, 71(1), 114–134. <https://doi.org/10.1016/j.jvb.2007.04.004>
- Nilsson, B. (2019). The School-to-Work Transition in Developing Countries. *Journal of Development Studies*, 55(5), 745–764. <https://doi.org/10.1080/00220388.2018.1475649>
- Onar, S. C., Aktas, E., Topcu, Y. I., & Doran, D. (2013). An analysis of supply chain related graduate programmes in Europe. *Supply Chain Management*, 18(4), 398–412. <https://doi.org/10.1108/SCM-06-2012-0209>
- Pamungkas, D. T. I., Dimala, C. P., & Minarsih, Y. (2023). Pengaruh Locus of Control Dan Resiliensi Terhadap Adaptabilitas Karir Pada Dewasa Awal Di Kabupaten Karawang. *Innovative: Journal Of Social Science Research*, 3(4), 10052–10064.
- Panjaitan, Y. J., & Sahrah, A. (2023). Adaptasi Career Adapt-Abilities—Short Form Ke Versi Indonesia. *Jurnal Ilmu Sosial Dan Pendidikan*, 7(2), 1421–1431. <https://doi.org/10.58258/jisip.v7i2.4935/http>
- Pare, A., & Sihotang, H. (2023). Pendidikan Holistik untuk Mengembangkan Keterampilan Abad 21 dalam Menghadapi Tantangan Era Digital. *Jurnal Pendidikan Tambusai*, 7(3), 27778–27787.
- Phillips, S. D., Blustein, D. L., Jobin-Davis, K., & White, S. F. (2002). Preparation for the school-to-work transition: The views of high school students. *Journal of Vocational Behavior*, 61(2), 202–216. <https://doi.org/10.1006/jvbe.2001.1853>
- Pinquart, M., Juang, L. P., & Silbereisen, R. K. (2003). Self-efficacy and successful school-to-work transition: A longitudinal study. In *Journal of Vocational Behavior* (Vol. 63, Issue 3, pp. 329–346). [https://doi.org/10.1016/S0001-8791\(02\)00031-3](https://doi.org/10.1016/S0001-8791(02)00031-3)
- Pittaway, L., & Cope, J. (2007). Entrepreneurship education: A systematic review of the evidence. *International Small Business Journal*, 25(5), 479–510. <https://doi.org/10.1177/0266242607080656>
- Porfeli, E. J., & Savickas, M. L. (2012). Career Adapt-Abilities Scale-USA Form: Psychometric properties and relation to vocational identity. *Journal of Vocational Behavior*, 80(3), 748–753.

- Prihastuty, R., Musyarofah, H., & Sofanudin, A. (2020). Perbedaan Nilai Kerja Guru Laki-Laki Dan Perempuan Pada Madrasah Berbasis Pesantren Di Kabupaten Ponorogo Jawa Timur. *Al-Qalam*, 26(1), 93. <https://doi.org/10.31969/alq.v26i1.830>
- Priti Sintani, Arifa Nurlianti, S. (2024). *Implementasi Teknologi Dalam Perencanaan Karir Pada Era Digital* : 01(04), 736–743.
- Pusdatin, K. I. (2021). Statistik SMK. *Kementerian Pendidikan Dan Kebudayaan*, 200. http://publikasi.data.kemdikbud.go.id/uploadDir/isi_C1B94B1A-1230-429F-80A5-92D56EE17E59_.pdf
- Putri, F. A., Fachmi, N., Setyawan, B., & Efendy, M. (2024). Hubungan Career Adaptability Terhadap Kesiapan Kerja Mahasiswa Tingkat Akhir di Universitas Mercubuana Yogyakarta. *INNOVATIVE: Journal Of Social Science Research*, 4(2021), 4955–4966. <https://j-innovative.org/index.php/Innovative/article/download/8433/5751>
- Quaicoe, J. S., & Pata, K. (2020). Teachers' digital literacy and digital activity as digital divide components among basic schools in Ghana. *Education and Information Technologies*. <https://doi.org/10.1007/s10639-020-10158-8>
- Quintini, G., & Martin, S. (2014). Same Same but Different: School-to-work Transitions in Emerging and Advanced Economies. *OECD Social, Employment and Migration Working Papers*, No. 154(154), 1–57. <https://doi.org/10.1787/5jzbb2t1rcwc-en>
- Rabie, S., Visser, M., Naidoo, A., van den Berg, F., & Morgan, B. (2021). Beyond the individual: A group-based career development intervention implemented in resource-constrained schools in South Africa. *The Journal for Specialists in Group Work*, 46(1), 48–61. <https://doi.org/https://doi.org/10.1080/01933922.2020.1856252>
- Rahardjo, T. (2021). Implementasi Bimbingan Karier di SMK; Ideal dan Realita. *Muspla*, 6(1). <https://muspla.sch.id/implementasi-bimbingan-karier-di-smk-ideal-dan-realita/>
- Rahmadani, R., Neviyarni, & Firman. (2021). Manajemen Bimbingan Dan Konseling Di Sekolah. *Jurnal Pendidikan Tambusai*, 5(2), 2973–2977.
- Rahmadhani, S., Ahyanuardi, & Suryati, L. (2022). Vocational High School Students' Competency Needs to the World of Work. *Mimbar Ilmu*, 27(2), 349–355. <https://doi.org/10.23887/mi.v27i1.42161>
- Rahmansyah, F. A. . S. M. . & B. A. (2022). The Description of Students' Career Adaptability in Senior High School. *Proceedings of Siliwangi Annual International Conference on Guidance and Counselling* , 1(December), 76–80.
- Rahmi, M. Y. (2023). Implementasi kebijakan bursa kerja khusus (BKK) di SMK Negeri Parungponteng Kabupaten Tasikmalaya. *Indonesian Journal Of Education and Humanity*, 3(2), 65–72.
- Rahmulyana, A., Raman, R., Yustiva, F., Junaesih, R., Halabi, A., Umalihayati, U., & Yusuf, F. A. (2024). Peran Lembaga Pendidikan Dalam Menghasilkan Lulusan Berkualitas Dan Berdaya Saing Tinggi. *Bhinneka Multidisiplin Journal*, 1(2), 55–64. <https://doi.org/10.53067/bmj.v1i2.7>

- Ramadani, D., Fachrurrazi, M., & Hidayat, D. R. (2020). Adaptabilitas Karir Dalam Perspektif Teori Perkembangan Karir Mark L. Savickas. *Jurnal Ilmiah Bimbingan Konseling Undiksha*, 11(1), 24–31. <https://doi.org/10.23887/jjbk.v11i1.27362>
- Ramdhani, R. N., Budiamin, A., & Budiman, N. (2019). Adaptabilitas Karir Dewasa Awal. *Jurnal Penelitian Pendidikan*, 18(3), 361–370. <https://doi.org/10.17509/jpp.v18i3.15008>
- Reeves, T. C. (2006). Design research from a technology perspective. *Educational Design Research*, June, 52–66. <https://doi.org/10.4324/9780203088364-13>
- Riany, R. (2012). Karakteristik dan Tuntutan Perkembangan Sekolah Menengah Kejuruan. *STATEMENT: Jurnal Media Informasi Sosial Dan Pendidikan*, 2(2), 81–98.
- Ristianti, D. H. (2022). Implementasi Layanan Bimbingan dan Konseling di Dunia Kerja. *Attractive : Innovative Education Journal*, 4(3). <https://www.attractivemagazine.com/index.php/aj/>
- Rocha, M. (2015). Predictors of the acquisition and portability of transferable skills: a longitudinal Portuguese case study on education. *Higher Education*, 69(4), 607–624. <https://doi.org/10.1007/s10734-014-9793-2>
- Rogers, M. E., Creed, P. A., & Ian Glendon, A. (2008). The role of personality in adolescent career planning and exploration: A social cognitive perspective. *Journal of Vocational Behavior*, 73(1), 132–142. <https://doi.org/10.1016/j.jvb.2008.02.002>
- Rojaki, M., Fitria, H., Martha, A., Sama, K., Usaha, D., & Industri, D. (2021). Manajemen Kerja Sama Sekolah Menengah Kejuruan dengan Dunia Usaha dan Dunia Industri. *Jurnal Pendidikan Tambusai*, 5(3), 6337–6349.
- Rojewski, J. W. (2002). Preparing the Workforce of Tomorrow: A Conceptual Framework for Career and Technical Education. *Journal of Vocational Education Research*, 27(1), 7–35. <https://doi.org/10.5328/jver27.1.7>
- Romadin, A., & Nurhadi, D. (2021). *Analisis Karier Jabatan Operator CNC Lulusan SMK Teknik Pemesinan pada Industri Manufaktur*. 2006, 842–849.
- Rop, K. V., & Bett, N. K. (2012). Video Conferencing and Its Application in Distance Learning. *Annual Interdisciplinary Conference, The Catholic University of Eastern Africa, Nairobi Kenya*, June, 1–9.
- Rosyidah, H. F. (2024). Konsep Diri Masa Remaja Akhir Dalam Pengambilan Keputusan Karier Siswa Di SMK Negeri 4 Surabaya. *G-COUNS: Jurnal Bimbingan Dan Konseling*, 8(2), 571–580. <https://doi.org/10.31316/gcouns.v8i2.4707>
- Rowold, J., & Kauffeld, S. (2009). Effects of career related continuous learning on competencies. *Personnel Review*, 38(1), 90–101. <https://doi.org/https://doi.org/10.1108/00483480910920732>
- Santika, A., Simanjuntak, E. R., Amalia, R., & Kurniasari, S. R. (2023). Peran pendidikan sekolah menengah kejuruan dalam memposisikan lulusan siswanya mencari pekerjaan 1.2.3.4. *Jurnal Kajian, Penelitian Dan Pengembangan Kependidikan*, 14(1), 84–94.

- Sartore, M., Buisine, S., Ocnarescu, I., & Joly, L. R. (2023). An Integrated Cognitive-Motivational Model of Ikigai (Purpose in Life) in the Workplace. *Europe's Journal of Psychology*, 19(4), 387–400. <https://doi.org/10.5964/ejop.9943>
- Savickas, Mark L, Sheu, Hung-Bin Phrasavath, L. (2019). Social cognitive career theory. In *Contemporary Theories of Career Development* (pp. 47–60). <https://doi.org/10.4324/9781315276175-6>
- Savickas, M. (2013). Career Construction theory and practice.pdf. In *Career development and counseling: Putting theory and research to work*. (pp. 147–183).
- Savickas, M. L., & Porfeli, E. J. (2012a). Career Adapt-Abilities Scale: Construction, reliability, and measurement equivalence across 13 countries. *Journal of Vocational Behavior*, 80(3), 661–673. <https://doi.org/10.1016/j.jvb.2012.01.011>
- Savickas, M. L., & Porfeli, E. J. (2012b). Career Adapt-Abilities Scale: Construction, reliability, and measurement equivalence across 13 countries. *Journal of Vocational Behavior*, 80(3), 661–673.
- Savickas, M. L., & Porfeli, E. J. (2012c). Career Adapt-Abilities Scale: Construction, reliability, and measurement equivalence across 13 countries. *Journal of Vocational Behavior*, 80(3), 661–673. <https://doi.org/10.1016/j.jvb.2012.01.011>
- Savickas, & Mark, L. (1990). Developing Career Choice Readiness. *Annual Convention of The American Association for Counseling and Development March*.
- Seymour, J., Nicholson, T., & Edwards, T. (2018). “I have goals and plans to achieve them”. An online survey of the career perceptions of trainee and practising educational psychologists. *New Zealand Journal of Psychology*, 47(1).
- Soares, J., Taveira, M. do C., Barroso, P., & Silva, A. D. (2023). Career Adapt-Abilities Scale—Short Form: Validation among Portuguese University Students and Workers. *Journal of Career Assessment*, 31(3), 571–587. <https://doi.org/10.1177/10690727221129281>
- Sobari, M., Wahyudin, D., & Dewi, L. (2023). Keterlibatan Industri Dalam Pengembangan Kurikulum Pada Tingkat Smk. *Jurnal Education and Development*, 11(3), 230–238. <https://doi.org/10.37081/ed.v11i3.4771>
- Suciningrum, F., Paramita, W., & Wiradendi Wolor, C. (2023). Pengaruh Harga Diri Dan Dukungan Sosial Terhadap Adaptabilitas Karir Pada Fresh Graduate Yang Bekerja Di Dki Jakarta. *Jurnal Ilmu Psikologi Dan Kesehatan*, 1(3), 225–232.
- Suhaedin, E., Jalinus, N., Abdullah, R., Negeri Padang, U., Hamka, J., Tawar Bar, A., Padang Utara, K., Padang, K., & Barat, S. (2023). Landasan Filosofi dan Prinsip Pendidikan Teknologi & Kejuruan (PTK) menggunakan Metode Systematic Literature Review. *Journal on Education*, 06(01), 10317–10326.
- Sulistiani, W., Suminar, D. R., & Hendriani, W. (2018). The Career Adapt-Abilities Scale- Indonesian Form: Psychometric. *The 4th International Conference on Education*, 4(2), 1–9.

- Sulistiyanto, D., & Abdullah, S. M. (2023). Kecerdasan Emosional Dan Dukungan Sosial Keluarga Dengan Adaptabilitas Karir Pada Siswa. *Jurnal Psikologi Malahayati*, 5(1), 129–140. <https://doi.org/10.33024/jpm.v5i1.8780>
- Sumbawati, M. S., Hariyati, Kartini, U. T., Sukartiningsih, W., Azhiimah, A. N., & Khotimah, K. (2020). *Monitoring and Evaluating Online Learning Using Online Media*. 504(ICoIE), 136–140. <https://doi.org/10.2991/assehr.k.201209.207>
- Super, D. E., & Knasel, E. G. (1981). Career Development in Adulthood: Some Theoretical Problems and a Possible Solution. *British Journal of Guidance & Counselling*, 9(2), 194–201. <https://doi.org/10.1080/03069888108258214>
- Swastika, D. R., & Sudjani. (2023). The Career Adaptability Potential Of Vocational High School Students From A Digital Literacy Perspective. *Jurnal Pensil : Pendidikan Teknik Sipil*, 12(1), 22–32. <https://doi.org/10.21009/jpensil.v12i1.30681>
- Tesalonia, S. P., & Wibowo, D. H. (2023). Hubungan antara adaptabilitas karier dan kecemasan menghadapi dunia kerja pada mahasiswa tingkat akhir. *Jurnal Cakrawala Ilmiah*, 2(12), 4665–4676.
- Tomonori, M. (2022). Enriching the Lives of Seniors in Japan. In *Ikigai Healthy Ageing Policy in Japan* (pp. 63–71). <https://doi.org/10.1201/9781003043270-5>
- Triyadi, M. I. (2023). Ikigai : Filosofi Hidup Bahagia Orang Jepang. *Literaksi: Jurnal Manajemen Pendidikan*, 01(02), 209–214.
- Ulil Absor, M., & Dwisetyani Utomo, I. (2017). School-to-work transition of young people in Greater Jakarta: the determinants of success. *Asian Population Studies*, 13(3), 306–326. <https://doi.org/10.1080/17441730.2017.1351686>
- Venkatraman, S., de Souza-Daw, T., & Kaspi, S. (2018). Improving employment outcomes of career and technical education students. *Higher Education, Skills and Work-Based Learning*, 8(4), 469–483. <https://doi.org/10.1108/HESWBL-01-2018-0003>
- Wagiran, W., Pardjono, P., Triyono, M. B., Pratama, G. N. I. P., & Köhler, T. (2023). The Future of Vocational Competence: Perspective of Vocational Teachers, Industries, and Educational Expert. *International Journal of Instruction*, 16(4), 543–560. <https://doi.org/10.29333/iji.2023.16431a>
- Wang, F., & Hannafin, M. J. (2005). *Technology-Enhanced Learning Environments*. 53(4), 5–23.
- Wassermann, M., Fujishiro, K., & Hoppe, A. (2017). The effect of perceived overqualification on job satisfaction and career satisfaction among immigrants: Does host national identity matter? *International Journal of Intercultural Relations*, 61(November 2016), 77–87. <https://doi.org/10.1016/j.ijintrel.2017.09.001>
- Widayati, A., MacCallum, J., & Woods-McConney, A. (2021). Teachers' perceptions of continuing professional development: a study of vocational high school teachers in Indonesia. *Teacher Development*, 25(5), 604–621. <https://doi.org/10.1080/13664530.2021.1933159>

- Wolbers, M. H. J. (2014). Introduction: Research on school-to-work transitions in Europe. *European Societies*, 16(2), 167–174. <https://doi.org/10.1080/14616696.2013.827230>
- Wright, D. J. G. (1991). ‘Successful’ School-to-Work Transition Programs. *International Journal of Adolescence and Youth*, 3(1–2), 147–161. <https://doi.org/10.1080/02673843.1991.9747700>
- Yanti Rubiyanti, Hendriati Agustiani, Ahmad Gimmy Prathama Siswadi, & Ratna Jatnika. (2023). The Role Of Career Decision-Making Self-Efficacy And Perceived Positive Parenting Towards Future Orientation In Boarding School Adolescents In Bandung. *International Journal Of Humanities Education and Social Sciences (IJHESS)*, 3(2), 817–823. <https://doi.org/10.55227/ijhess.v3i2.701>
- Yuliana, I., Alpiansah, R., Pratama, A. A., Dewi, I., Ibrahim, K., & Bumigora, U. (2023). Career Preparation Menghadapi Kecemasan Dunia Kerja pada Mahasiswa. *Jilpi: Jurnal Ilmiah Pengabdian Dan Inovasi*, 2(1), 119–128. <https://journal.insankreasimedia.ac.id/index.php/JILPI>
- Yunos, J., Chee, L., Ph, S., Tze, T., Ph, K., & Ed, H. H. M. (2016). *the Issues and Challenges of Vocational*. 2025, 7–14.
- Yunus, Y. (2023). Teori Prosser : Philosophy Pendidikan Kejuruan Pada. *Jurnal Pendidikan Dan Pemikiran Islam*, 07.
- Zahid, G., & Staunton, T. (2022). The place of culture in the training of career guidance educators. *British Journal of Guidance and Counselling*, 50(6), 997–1008. <https://doi.org/10.1080/03069885.2022.2069676>