

## DAFTAR PUSTAKA

- Akbar, Abdussalam Al, Hendri Alamsyah, Riska. 2020. SIMULASI PREDIKSI JUMLAH MAHASISWA BARU UNIVERSITAS DEHASEN BENGKULU MENGGUNAKAN METODE MONTE CARLO. Jurnal Pseudecode. 8(1), 8-9.
- Basar, K. (2019). DASAR-DASAR METODE MATEMATIKA UNTUK ILMU FISIKA. Bandung: ITB Press.
- Basjarudin, Noor Choilis. 2016. Metode Monte Carlo dan Penerapannya. Politeknik Negeri Bandung.
- Behrens, V. 2003. "11 Beryllium". Dalam Beiss, P. *Landolt-Börnstein – Group VIII Advanced Materials and Technologies: Powder Metallurgy Data. Refractory, Hard and Intermetallic sMaterials*. Landolt-Börnstein - Group VIII Advanced Materials and Technologies. **2A1**. Berlin: Springer. hlm. 667–677.
- Chang, Raymond. 2005. KIMIA DASAR KONSEP-KONSEP INTI EDISI KETIGA JILID 1. Jakarta : Erlangga.

Davis, S. L. 2007. A Variational Monte Carlo Approach to Atomic Structure. *Journal of chemical education*. 84(4), 711.

Dugdale, J. S., Simon, F. E. (1953). "Thermodynamic Properties and Melting of Solid Helium". *Proc. Roy. Soc.* 218 (1134): 291.

Dwinata, R. A., Efendi, R., & Yudha, S. P. (2016). RANCANG BANGUN APLIKASI TABEL PERIODIK UNSUR DAN PERUMUSAN SENYAWA KIMIA DARI UNSUR KIMIA DASAR BERBASIS ANDROID. *Rekursif: Jurnal Informatika*, 4(2). 182.

Elisabeth Boimau, Redi Pingak, Bernandus. PENENTUAN ENERGI KEADAAN DASAR SISTEM ATOM HELIUM MUONIK EKSOTIS ( $He^{2+}\mu^-\mu^-$ ) MENGGUNAKAN PRINSIP VARIASI. (Kupang : Jurusan Fisika, Fakultas Sains dan Teknik, Universitas Nusa Cendana).

Francis M. Pipkin et al. 2003. *Encyclopedia of Physical Science and Technology (Third Edition)*. California : Elsevier Science Ltd.

Gumati, Noviandhini Puji. 2013. Aplikasi Metode Monte Carlo Pada Penentuan Harga Opsi Amerika. Universitas Pendidikan Indonesia.

Harbola, Varun. 2011. *Using uncertainty principle to find the ground-state energy of the helium and a helium-like Hookean atom.* EUROPEAN JOURNAL OF PHYSICS. 32, 1607.

[https://chem.libretexts.org/Bookshelves/Physical\\_and\\_Theoretical\\_Chemistry\\_Textbook\\_Maps/Supplemental\\_Modules\\_\(Physical\\_and\\_Theoretical\\_Chemistry\)/Quantum\\_Mechanics/10%3A\\_Multielectron\\_Atoms/8%3A\\_The\\_Helium\\_Atom](https://chem.libretexts.org/Bookshelves/Physical_and_Theoretical_Chemistry_Textbook_Maps/Supplemental_Modules_(Physical_and_Theoretical_Chemistry)/Quantum_Mechanics/10%3A_Multielectron_Atoms/8%3A_The_Helium_Atom), diakses tanggal 29 Januari 2023 pukul 21.20.

[https://chem.libretexts.org/Courses/Pacific\\_Union\\_College/Quantum\\_Chemistry/08%3A\\_Multielectron\\_Atoms/8.01%3A\\_](https://chem.libretexts.org/Courses/Pacific_Union_College/Quantum_Chemistry/08%3A_Multielectron_Atoms/8.01%3A_)

Atomic\_and\_Molecular\_Calculations\_are\_Expressed\_in\_Atomic\_Units, diakses pada tanggal 14 Juni 2023 pukul 22.19.

[https://chem.libretexts.org/Courses/Pacific\\_Union\\_College/Quantum\\_Chemistry/08%3A\\_Multielectron\\_Atoms/8.02%3A\\_Perturbation\\_Theory\\_and\\_the\\_Variational\\_Method\\_for\\_Helium](https://chem.libretexts.org/Courses/Pacific_Union_College/Quantum_Chemistry/08%3A_Multielectron_Atoms/8.02%3A_Perturbation_Theory_and_the_Variational_Method_for_Helium), diakses tanggal 30 Januari 2023 pukul 21.43.

Kauzmann, Walter. 1957. *Quantum Chemistry An Introduction*. New York: Academic Press, Inc.

Kencanawati, Cok Istri Putri Kusuma. 2012. DIKTAT MATA KULIAH KIMIA DASAR. (Bukit Jimbaran : Teknik Mesin Fakultas Teknik Universitas Udayana).

Kharismawati, Indah. 2020. Penggunaan Teori Perturbasi untuk Menentukan Tingkat Energi Partikel pada Kotak Potensial Tiga Dimensi. *Jurnal Pendidikan Fisika dan Keilmuan (JPFK)*. 6(2), 66.

- Kinoshita, Toichiro. 1957. Ground State of the Helium Atom.  
*Physical Review*. 105(5), 1490.
- Kinoshita, Toichiro. 1959. Ground State of the Helium Atom II.  
*Physical Review*. 115(2), 366.
- Lee *et al.* 2015. Standard deviation and standard error of the mean. *The Korean Society of Anesthesiologists*. 68(3), 220.
- Levine, Ira N. 2014. *Quantum Chemistry Seventh Edition*. New York : Pearson Education, Inc.
- Li, W. K. (1988). A Lesser Known One-Parameter Wave Function for the Helium Sequence and the Virial Theorem. *Journal of Chemical Education*. 65(11), 964.
- Li, W. K. (1985). Two-parameter wave function for the helium sequence. *Journal of Chemical Education*. 64(2), 128-129.
- Littlejohn, Robert G. 2019. Helium and Helium-like Atoms. Physics 221B.S.

Murti, Henoh Bayu, Dian Kurniasari, Widianti. 2014. Analisis Model Regresi Linear Berganda dengan Metode *Response Surface*. Jurnal Gradien. 10(1), 958.

Nadinasti. 2010. Metode Monte Carlo. (Bandung: Program Studi Sistem dan Teknologi Informasi, Sekolah Teknik Elektro dan Informatika, Institut Teknologi Bandung).

Paterson, D., Chantler, C.T., Hudson, L.T., Serpa, F.F., Gillaspay, J.D., and Takacs, E., 2001, Absolute Test of Quantum Electrodynamics for Helium-Like Vanadium” in The Hydrogen Atom, Lecture Notes in Physics Vol 570, Eds. Karshenboim, S.G., Bassani, F., Pavone, F., Inguscio, M., Hansch, T., (eds.), Springer, Berlin, Heidelberg, 699–713.

Peraturan Menteri Kesehatan Republik Indonesia Nomor 4 Tahun 2016 Tentang Penggunaan Gas Medik dan Vakum Medik Pada Fasilitas Pelayanan Kesehatan.

Redi Kristian Pingak et al. 2021. *Ground State Energies of Helium-Like Ions Using a Simple Parameter-Free Matrix Method*. Indones. J. Chem. 21 (4), 1003-1015.

Rajasekar, S., & Velusamy, R. (2014). *Quantum Mechanics I: The Fundamentals*. CRC.

Satriawan, Mirza. 2019. *Mekanika Statistik*. Yogyakarta: Gajah Mada University Press.

Satryo Dewanto Suryohendrasworo, Laras Prasakti, Sarah Nabila Salma, Agus Prasetya. 2021. Penyisihan Kontaminan dari Air Limbah Hasil Daur Ulang Baterai  $\text{LiFePO}_4$  (LFP) Menggunakan Penukar Ion Resin Kation Amberlite HPR1100 Na dan Resin Anion Dowex Marathon A. JURNAL REKAYASA PROSES. 13(2). 232.

Simon, F. (1934). "Behaviour of Condensed Helium near Absolute Zero". *Nature*. 133 (3362): 529.

Tjia, M.O. 2016. *Mekanika Kuantum*. Bandung: ITB Pres.

Wiraatmaja, I Wayan. 2016. Bahan Ajar Pergerakan Hara Mineral Dalam Tanaman (Denpasar: Program Studi Agroteknologi, Fakultas Pertanian Universitas Udayana).

Yerokhin, V.A., and Pachucki, K., 2010. Theoretical *energies of low-lying states of light helium-like ions*. *American Physical Society*, 81 (2), 022507.

Yerokhin, V. A., Patkóš, V., & Pachucki, K. (2021). *Atomic Structure Calculations of Helium with Correlated Exponential Functions*. *Symmetry*, 13(7), 1.

Zettili, Nouredine. 2009. Quantum Mechanics: Concepts and Applications (dalam bahasa Inggris). John Wiley & Sons. hlm. 233.