

DAFTAR PUSTAKA

- Afandi, A. . (2011). Evaluasi Rugi Daya Saluran transmisi 150 kV pada penyulang kebonagung-sengkaling. *Seminar on Electrical, Informatics and ITS Education*, 64–68.
- Anwar, S., Suyono, H., & Soekotjo, H. (2012). Optimisasi Penempatan SVC untuk Memperbaiki Profil Tegangan dengan Menggunakan Algoritma Genetika. *Jurnal Elektro ELTEK Vol. 3, No.1, April 2012 3(1)*, 203–208.
- Ariwibowo, D., & Desmira. (2016). Analisis kerugian daya pada saluran transmisi tegangan ekstra tinggi 500 kv unit pelayanan transmisi cilegon baru cibinong. *Urnal Ilmiah Pendidika Teknik Elektro*, 1, 29–36.
- Azim, I., & Rahman, F. (2014). Genetic Algorithm Based Reactive Power Management by SVC. *International Journal of Electrical and Computer Engineering (IJECE)*, 4(2).
- Bhandari, M., & Gurav, S. S. (2015). Genetic Algorithm Based Optimal Allocation Of SVC For Reactive Power Minimization In Power Systems. *IEEE*, 1651–1655.
- Cekdin, C. (2005). *Teori dan Contoh soal Teknik Elektro menggunakan bahasa pemograman Matlab*. Yogyakarta: Penerbit Andi.
- Chakrabarti, R. dkk. (2015). Comparative Analysis of STATCOM and SVC Operation in Electric Transmission Line. *International of Emerging Technology and Andvance Engineering*, 5(8), 323–329.
- Dheebika S.K, K. . (2015). Optimal Location Of SVC , TCSC And UPFC Devices For Voltage Stability Improvment And Reduction Of Power Loss Using Genetic Algorithm. *IEEE*, 1–6.
- Dhi, M. . M. dan P. darma. (2003). Proyeksi Kebutuhan Listrik PLN. *Pengembangan Sistem Kelistrikan Dalam Menunjang Pembangunan Nasional Jangka Panjang*, 19–29.
- Dongmei, Z., Pei, W., & Xu, Z. (2014). Reactive Power Optimization by Genetic Algorithm Integrated with Reduced Gradient Method. *IEEE Workshop on Advance Research Anf Technology in Industry Application*, (4), 838–841.
- Entin Martiani, K. (2011). *Kecerdasan Buatan*. Surabaya: Politeknik Elektronika Negeri Surabaya.

- Farsangi, M. M., Nezamabadi-pour, H., & Lee, K. Y. (2006). Multi-objective VAr Planning with SVC for a Large Power System Using PSO and GA. *IEEE*, (1), 274–279.
- Hardiantono, D. (2012). Perencanaan Penempatan FACTS Optimal Menggunakan Algoritma Genetik. *Jurnal Ilmiah Mustek Anim*, 1(2), 111–117.
- Hassan, M. O., Cheng, S. J., & Zakaria, Z. A. (2009). Steady-State Modeling of SVC and TCSC for Power Flow Analysis. *Proceedings of Yhe Internatioanal Multi Conference of Engineers and Computer Scientist, II*.
- Hingorani, N. G., & Gyugyi, L. (2000). *Understanding Facts*. New York: IEEE.
- Irannezhad, F., Vahidi, B., Abedi, M., & Rashidi, M. (2013). Comparison Of Using SVC and STATCOM To Provide Reactive Power For A Grid-Connected Wind Power Plant To Stabilize The Output Voltage During Startup and Fault Conditions. *Science International*, 25(4), 703–706.
- Kaiser, M. S. (2015). Network Flow Optimization by Genetic Algorithm and Load Flow Analysis by Newton Raphson Method in Power System. *IEEE*, (May), 21–23.
- Karami, M., Mariun, N., & Kadir, M. Z. A. A. (2011). Determining Optimal Location of Static Var Compensator by Means of Genetic Algorithm. *IEEE*, 172–177.
- Katira, M. ., & Porate, K. B. (2009). Load Flow Analysis of 132 / 11 kV Distribution Sub Station using Static Var Compensator for Voltage Enhancement – A Case Study. *TENCON - IEEE Region 10 Conference*, 1–5.
- Kumar, S. V., Sreenivasulu, J., & Kumar, K. V. (2014). Genetic Algorithm Based Congestion Management By Using Optimum Power Flow Technique To Incorporate FACTS Devices In Deregulated Environment. *International Journal of Innovative in Electrical, Electronic, Instrumentational and Control Engineering*, 2(12), 2220–2225.
- Kumari, M. S. (2006). A New Decoupled - Quadratic Load Flow Approach for Adjustment of Static. *IEEE*, 266–270.
- Lalit, & A.K, J. (2015). Optimization Of Electrical Power Transmission System Using PSO With SVC. *International Journal for Technological Research in Engineering*, 2(9), 1859–1865.
- Liliana, I. S. (2014). Penempatan SVC (Static Var Compensator) Pada Jaringan Distribusi Dengan ETAP 7.5.0. *Jurnal Sains, Teknologi Dan Industri*, 12(1).
- Marsudi, D. (2006). *Operasi Sistem Tenaga Listrik*. Yogyakarta: Graha Ilmu.

- Marouani, I., Guesmi, T., Abdallah, H., & A, O. (2011). Optimal Location Of Multi Type FACTS Devices For Multiple Contingencies Using Genetic Algorithms. *IEEE*.
- Metwally, M. M. E., Emary, A. A. El, Bendary, F. M. E., & Mosaad, M. I. (2008). Optimal allocation of FACTS devices in power system using genetic algorithms. *IEEE*, 3–6.
- Murty. (2007). *power system analysis*. India: BS Publications.
- Muslimin. (2015). Optimasi Penempatan Bank Capacitor Pada Penyalang H5 Menggunakan Metode Genetic Algorighm (GA). *Informatika Mulawarman*, 10(2), 13–19.
- Muslimin, Suyono, H., & Hasanah, N. (2013). Perbaikan Profil Tegangan pada Feeder Harapan Baru Lima (H5) Area Samarinda untuk Pengurangan Susut Energi. *EECCIS*, 7(2), 131–136.
- Mutmainnah. (2013). *Analisi Kompensasi Daya Reaktif Dengan Menggunakan FACTS Devie pada Saluran Transmisi Sistem Kelistrikan Sulawesi Selatan*. (Thesis).Program Pascasarjana,Universitas Hassanudin.
- Najafi, S. ., Abedi, M., & Hosseininan, S. . (2006). A Novel Approach to Optimal Allocation of SVC using Genetic Algorithms and Continuation Power Flow. *IEEE*, (4), 202–206.
- Noertjahyana, A. (2002). Studi Analisa Pelatihan Jaringan Syaraf Tiruan Dengan Dan Tanpa Algorithma Genetika. *Jurnal Informatika*, 3, 13–18.
- Padiyar, K. . (2007). *FACTS Controllers in Power Transmission and Distribution*. India: New Age Publisher.
- Pali, B. S. (2012). Newton-Raphson Power Flow Models of Static VAR Compensator. *IEEE*, 9–13.
- Pisica, I., Bulac, C., Toma, L., & Eremia, M. (2009). Optimal SVC Placement in Electric Power Systems Using a Genetic Algorithms Based Method. *IEEE*, (2), 1–6.
- Preethi, V. A. (2011). Application of Genetic Algorithm to Power System Voltage Stability Enhancement Using Facts Devices. *IEEE*, 333–338.
- Rahman, A. K. M. R., Alam, S., & Hossain, Z. (2013). Localization of FACTS Devices for Optimal Power Flow Using Genetic Algorithm. *IEEE*, 0–5.
- Ramakrishna, B., N.Gayatri, P.balaji, & K.Sindhu. (2015). Modeling and Simulation of Static VAR Compensator Controller for Improvement of

- Voltage Level in Transmission Lines. *International Journal of Electrical and Electronic Research*, 3(1), 281–288.
- Ramdan, G., Mulyadi, Y., & Hasbullah. (2016). The voltage profile improvement using static var compensator (SVC) in power system transmission. *International Conference on Innovation in Engineering and Vocational Education*.
- Saadat, H. (1999). *Power System Analysis*. New york: McGraw-Hill.
- Savic, A. (2014). Optimal sizing and location of SVC devices for improvement of voltage profile in distribution network with dispersed photovoltaic and wind power plants. *Science Direct*, 134, 114–124.
- Sello, A., Ervianto, E., & Sukma, D. Y. (2014). Kajian Penempatan Kapasitor Bank Menggunakan Metode Genetika Algoritma Pada South Balam Feeder 1 PT. Chevron Pacific Indonesia. *FTEKNIK*, 2(1), 1–8.
- Shintawaty, L. (2013). Peranan daya reaktif pada sistem kelistrikan. *Desiminasi Teknologi*, 1(2), 109–128.
- Skaria, N. A. (2014). Genetic Algorithm Based Optimal Location of SVC in Power System for Voltage Stability Enhancement. *IEEE*.
- Sullivan, D. J., Paserba, J., Reed, G., & Arai, J. (2006). Design and Application of a Static VAR Compensator for Voltage Support in the Dublin , Design and Application of a Static VAR Compensator for Voltage Support in the. *IEEE*.
- Suyanto. (2005). *Algoritma genetika dalam matlab*. Yogyakarta: Penerbit Andi.
- Tiwari, P. K. (2009). Optimal Location of FACTS Devices in Power System Using Genetic Algorithm. *IEEE*, 1034–1040.
- Udgir, S., Srivastava, L., & Pandit, M. (2013). Optimal Placement and Sizing of SVC for Loss Minimization and Voltage Profile Improvement using ABC Algorithm. *International Journal of Advancements in Electronics and Electrical Engineering*, 2(3), 88–92.
- Veramuri Suresh, D. S. . (2015). Perfomance Comparison Of SVC and TCSC in power flow control. *IEEE*.
- Wibowo, S. S., Suyono, H., & Hasanah, R. N. (2013). Analisis Implementasi Fixed Capacitor, SVC, dan STATCOM untuk Perbaikan Performansi Stabilitas Tegangan pada Sistem Petrochina. *EECCIS*, 7(2), 147–152.
- Yan, P., & Sekar, A. (2002). Study of Linear Models in Steady State Load Flow Analysis of Power Systems. *IEEE*, 00(c), 666–671.

Zhu, J. (2009). *Optimization Of Power System Operation*. Canada: A John Wiley & Sons, Inc.

Zukhri, Z. (2013). *Algoritma Genetika metode komputasi evolusioner untuk menyelesaikan masalah optimasi*. Yogyakarta: Penerbit Andi.