

## DAFTAR PUSTAKA

- Abeysinghe, S., Ju, T., Baker, M., Chiu, W. (2008). *Shape Modeling and Matching in Identifying 3D Protein Structures*. Computer-Aided Design. **40** (6). 708-720.
- Aki, K., Fehler, M., Aamodt, R. L., Albright, J. N., Potter, R. M., Pearson, C. M., & Tester, J. W. (1982). Interpretation of seismic data from hydraulic fracturing experiments at the Fenton Hill, New Mexico, Hot Dry Rock geothermal site. *Journal of Geophysical Research: Solid Earth*, 87(B2), 936-944.
- Bai, X., Longin, L., Wenyu, L. (2007). *Skeleton Purning by Contour Partitioning with Discrete Curve Evolution*. IEEE Transactions on Pattern Analysis and Machine Intelegence. **29** (3). 449-462.
- Bartko, K. M., Nasr-El-Din, H. A., Rahim, Z., & Al-Muntasheri, G. A. (2003, January). Acid fracturing of a gas carbonate reservoir: the impact of acid type and lithology on fracture half length and width. In *SPE Annual Technical Conference and Exhibition*. Society of Petroleum Engineers.
- Batubara, O. (2013). Fracking dan Gempa Bumi dalam Sistem Geothermal
- Batzle, M. L., Simmons, G., & Siegfried, R. W. (1980). Microcrack closure in rocks under stress: direct observation. *Journal of Geophysical Research: Solid Earth*, 85(B12), 7072-7090.
- Bernabe, Y. (1987). The effective pressure law for permeability during pore pressure and confining pressure cycling of several crystalline rocks. *Journal of Geophysical Research: Solid Earth*, 92(B1), 649-657.
- Bobet, A., & Einstein, H. H. (1998). Fracture coalescence in rock-type materials under uniaxial and biaxial compression. *International Journal of Rock Mechanics and Mining Sciences*, 35(7), 863-888.
- Brown, D. W. (2000, January). A hot dry rock geothermal energy concept utilizing supercritical CO2 instead of water.

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**STUDI PERUBAHAN STRUKTUR PORI DAN REKAHAN 3D PADA BATUAN PENUDUNG PANAS BUMI AKIBAT PENGARUH TEKANAN UNIAXIAL SERTA KEAMANAN CLAY CAP DAERAH PANAS BUMI CANDI UMBUL-TELOMOYO, SEMARANG**

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In *Proceedings of the twenty-fifth workshop on geothermal reservoir engineering, Stanford University* (pp. 233-238).  
Charlez, P., Lemonnier, P., Ruffet, C., Boutéca, M. J., & Tan, C. (1996, January). Thermally induced fracturing: analysis of a field case in North Sea. In *European Petroleum Conference*. Society of Petroleum Engineers.

**Sumarni, 2018**

***STUDI PERUBAHAN STRUKTUR PORI DAN REKAHAN 3D PADA BATUAN PENUDUNG PANAS BUMI AKIBAT PENGARUH TEKANAN UNIAXIAL SERTA KEAMANAN CLAY CAP DAERAH PANAS BUMI CANDI UMBUL-TELOMOYO, SEMARANG***

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[perpustakaan.upi.edu](https://perpustakaan.upi.edu)

- Cho, Y., Apaydin, O.G., Ozkan, E. (2013). *Pressure-Dependent Natural-Fracture Permeability in Shale and Its Effect on Shale-Gas Well Production*. Society of Petroleum Engineers, 216-228.
- Daneshy, A. A., & Crichlow, H. B. (1980). *Numerical solution of sand transport in hydraulic fracturing* (No. CONF-800242-5). Halliburton Services, Duncan, OK.
- Dietrich, P., Helmig, R., Sauter, M., Hotzl, H., Kongeter, J., Teutsch, G. (2004). *Flow and Transport in Fractured Porous Media*. Newyork: Springer.
- Eberhardt, E., Stead, D., & Stimpson, B. (1999). Quantifying progressive pre-peak brittle fracture damage in rock during uniaxial compression. *International Journal of Rock Mechanics and Mining Sciences*, 36(3), 361-380.
- Ellsworth, W. L. (2013). Injection-induced earthquakes. *Science*, 341(6142), 1225942.
- Estiandari, A., Aribowo, Y., & Ali, R. K. (2017). *Karakteristik Alterasi Hidrotermal pada Sumur AN-1, Daerah Prospek Panasbumi Candi Umbul-Telomoyo, Kabupaten Semarang, Provinsi Jawa Tengah* (Doctoral dissertation, Faculty of Engineering Diponegoro University).
- Fehler, M. C. (1989, July). Stress control of seismicity patterns observed during hydraulic fracturing experiments at the Fenton Hill hot dry rock geothermal energy site, New Mexico. In *International Journal of Rock Mechanics and Mining Sciences & Geomechanics Abstracts* (Vol. 26, No. 3-4, pp. 211-219). Pergamon.
- Ferani, S., (2010). Pemodelan Struktur Pori Dari Batuan Geologi Dengan Fractal. *Berkala Fisika*, 12(3), 91-96.
- Feranie, S., Fauzi, U., Bijaksana, S. (2011). *3D Fractal Dimension and Flow Properties in the Pore Structure of Geological Rocks*. *Fractals*. 19 (3). hlm. 291-297.
- Fjaer, E., Horsrud, P., Raaen, A. M., Risnes, R., & Holt, R. M. (1992). *Petroleum related rock mechanics* (Vol. 33). Elsevier.

**Sumarni, 2018**

**STUDI PERUBAHAN STRUKTUR PORI DAN REKAHAN 3D PADA BATUAN PENUDUNG PANAS BUMI AKIBAT PENGARUH TEKANAN UNIAXIAL SERTA KEAMANAN CLAY CAP DAERAH PANAS BUMI CANDI UMBUL-TELOMOYO, SEMARANG**

Universitas Pendidikan Indonesia | repository.upi.edu |  
perpustakaan.upi.edu

- Hermawan, D., Widodo, S., Mulyadi, E. (2012). *Sistem Panas bumi Daerah Candi Umbul – Telomoyo Berdasarkan Kajian Geologi dan Geokimia*. Buletin Sumber Daya Geologi Volume 7 Nomor 1. hlm 1-6.
- House, L., Keppler, H., & Kaieda, H. (1985). *Seismic studies of a massive hydraulic fracturing experiment* (No. LA-UR-85-933; CONF-850801-15). Los Alamos National Lab., NM (USA);

**Sumarni, 2018**

**STUDI PERUBAHAN STRUKTUR PORI DAN REKAHAN 3D PADA BATUAN  
PENUDUNG PANAS BUMI AKIBAT PENGARUH TEKANAN UNIAXIAL SERTA  
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[perpustakaan.upi.edu](https://perpustakaan.upi.edu)

- Bundesanstalt fuer Geowissenschaften und Rohstoffe, Hannover (Germany, FR); Central Research Inst. of Electric Power Industry, Abiko, Chiba (Japan).
- Ito, T., & Hayashi, K. (1991, July). Physical background to the breakdown pressure in hydraulic fracturing tectonic stress measurements. In *International Journal of Rock Mechanics and Mining Sciences & Geomechanics Abstracts* (Vol. 28, No. 4, pp. 285-293). Pergamon.
- Kawakata, H., Cho, A., Yanagidani, T., & Shimada, M. (1997). The observations of faulting in Westerly granite under triaxial compression by X-ray CT scan. *International Journal of Rock Mechanics and Mining Sciences*, 34(3-4), 151-e1.
- Khokha, I (1996). *Fractal Geometry in Biological Systems*. ISBN 978-0-8493-7636-8.
- Kröhn, K. (1991). *Simulation von Transporvorgangen im klufigen Gestein mit der Methode der Finite Elemente*. Hanover: Eigenverlag.
- Kusumayudha, S. B. (2005). *Hidrogeologi karst dan geometri fraktal di daerah Gunungsewu*. Adicita Karya Nusa: Yogyakarta.
- Legarth, B., Huenges, G., Zimmermann, G. (2005). *Hydraulic fracturing in a sedimentary geothermal reservoir: Results and Implications*. *International Journal of Rock Mechanics & Mining Sciences*, 42. 1028-1041.
- Mujib, E. M., & Marhaendrajana, T. DESIGN LAB APPARATUS: SINGLE STAGE COMPRESSIVE TEST (SST) PADA TEKANAN DAN TEMPERATUR TINGGI.
- Muralha, J., Myer, L. R., Cook, N. G. W., Goodman R. E., dan Tsang C. F. (1995), *Fractured and Jointed Rock Mechanics*. Rotterdam: A. A. Balkema. hlm. 205-212.
- Murphy, H. D. (1978). *Thermal stress cracking and the enhancement of heat extraction from fractured geothermal reservoirs* (No. LA-7235-MS). Los Alamos Scientific Lab., N. Mex.(USA).
- Nelson, W. R., Rogers, D. W., & Hirayama, H. (1985). *The EGS4 code system* (No. SLAC-0265).

**Sumarni, 2018**

**STUDI PERUBAHAN STRUKTUR PORI DAN REKAHAN 3D PADA BATUAN PENUDUNG PANAS BUMI AKIBAT PENGARUH TEKANAN UNIAXIAL SERTA KEAMANAN CLAY CAP DAERAH PANAS BUMI CANDI UMBUL-TELOMOYO, SEMARANG**

Universitas Pendidikan Indonesia | repository.upi.edu |  
perpustakaan.upi.edu

- Ozbek, A., Unsal, M., & Dikec, A. (2013). Estimating uniaxial compressive strength of rocks using genetic expression programming. *Journal of Rock Mechanics and Geotechnical Engineering*, 5(4), 325-329.
- Pape, H., Clauser, C., & Iffland, J. (1999). Permeability prediction based on fractal pore-space geometry. *Geophysics*, 64(5), 1447-1460.

**Sumarni, 2018**

**STUDI PERUBAHAN STRUKTUR PORI DAN REKAHAN 3D PADA BATUAN  
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SEMARANG**

Universitas Pendidikan Indonesia | repository.upi.edu |  
perpustakaan.upi.edu

- Phansalskar, N; More, S & Sabale, A et al. (2011). Adaptive local thresholding for detection of nuclei in diversity stained cytology images. *International Conference on Communications and Signal Processing (ICCSPP)*: 218-220, doi: 10.1109/ICCSPP.2011.5739305.
- Pirajno, F., & Smithies, R. H. (1992). The FeO/(FeO+ MgO) ratio of tourmaline: a useful indicator of spatial variations in granite-related hydrothermal mineral deposits. *Journal of Geochemical Exploration*, 42(2-3), 371-381.
- Reyes, A. G. (1990). Petrology of Philippine geothermal systems and the application of alteration mineralogy to their assessment. *Journal of Volcanology and Geothermal Research*, 43(1-4), 279-309.
- Rochmatulloh, A.K. (2018). *Studi Perubahan Rekahhan 3D Akibat Pengaruh Tekanan Mekanik Pada Batuan Geothermal*. (Skripsi). Universitas Pendidikan Indonesia, Bandung.
- Saptadji, N. M. (2002). Catatan Kuliah Teknik Panas Bumi. *Bandung, Penerbit ITB*.
- Saptadji, N. M. (2009). Karakteristik reservoir panas bumi. *Training Advanced Geothermal Engineering*, 6-17.
- Sasaki, S. (1998). Characteristics of microseismic events induced during hydraulic fracturing experiments at the Hijiori hot dry rock geothermal energy site, Yamagata, Japan. *Tectonophysics*, 289(1-3), 171-188.
- Sebastian, C.E. (2017). *Akuisis, Rekonstruksi dan Pemrosesan Core Plug Berbagai Ukuran Menggunakan Micro CT-Scan untuk Perhitungan Porositas Batuan*. (Skripsi). Institut Teknologi Bandung, Bandung.
- Segal, E. & Ellingson, W.A. (1987). A Linearization Beam-Hardening Correction for X-Ray Computed Tomography. *Springer: Review of Progress in Quantitative Nondestructive Evaluation*.

**Sumarni, 2018**

**STUDI PERUBAHAN STRUKTUR PORI DAN REKAHAN 3D PADA BATUAN PENUDUNG PANAS BUMI AKIBAT PENGARUH TEKanan UNIAXIAL SERTA KEAMANAN CLAY CAP DAERAH PANAS BUMI CANDI UMBUL-TELOMOYO, SEMARANG**

Universitas Pendidikan Indonesia | repository.upi.edu |  
perpustakaan.upi.edu

- Tim Survei. (2010). *Survei Panas Bumi Terpadu Geologi dan Geokimia Daerah Candi Umbul-Telomoyo Provinsi Jawa Tengah*. Bandung: Pusat Sumber Daya Geologi.
- Tobing, P.F.L. (2016). *Studi Rekanan Alami 2D Beserta Pemodelannya dan Perubahan Rekanan 3D Akibat Pengaruh Suhu Tinggi Pada Batuan Reservoir Panas Bumi*. (Skripsi). Universitas Pendidikan Indonesia, Bandung.
- Twiss, R. J., & Moores, E. M. (1992). *Structural geology*. Macmillan.

**Sumarni, 2018**

**STUDI PERUBAHAN STRUKTUR PORI DAN REKAHAN 3D PADA BATUAN  
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perpustakaan.upi.edu



- Waleed, A-A., Siti, N.H.S.A., Bataineh, B., Traik, A-A., Omar, K. (2013). *Skeletonization Algorithm for Binary Images*. Procedia Technology. **11**. hlm. 704-709.
- Wawersik, W. R., & Fairhurst, C. (1970, September). A study of brittle rock fracture in laboratory compression experiments. In *International Journal of Rock Mechanics and Mining Sciences & Geomechanics Abstracts* (Vol. 7, No. 5, pp. 561-575). Pergamon.
- White, D. E. (1967). Some principles of geyser activity, mainly from Steamboat Springs, Nevada. *American Journal of Science*, 265(8), 641-684.
- WWF., (2012). Igniting the ring of fire: A vision for developing Indonesia's geothermal power.
- Xiang-Jun, L., Li-Xi, L., Hong-Lin, Z (2014). Digital Rock Physics of Sandstones Based on Micro-CT Tecnology, *Chinese Journal of Geophysics-Chinese Edition* 57 (4).
- Yanagidani, T., Ehara, S., Nishizawa, O., Kusunose, K., & Terada, M. (1985). Localization of dilatancy in Ohshima granite under constant uniaxial stress. *Journal of Geophysical Research: Solid Earth*, 90(B8), 6840-6858.
- Zhou, H.W., Xie, H. (2003). *Direct Estiomation of The Fractal Dimension of A Fracture Surface of Rock*. World Scientific. **10** (5). hlm. 751-762.

**Sumarni, 2018**

**STUDI PERUBAHAN STRUKTUR PORI DAN REKAHAN 3D PADA BATUAN  
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