

Anonim. 1982. *Persyaratan Umum Bahan Bangunan di Indonesia (PUBI 1982)*. Pusat Penelitian dan Pengembangan Pemukiman, Badan Penelitian dan Pengembangan, Departemen Pekerjaan Umum, Bandung.

Astrini Nuri, Anah L dan Haryono Agus, 2010, *Pengaruh Penambahan Bentonit Pada Superabsorben Polimer Komposit Hidrogel Berbasis Selulosa*, Pusat Penelitian Kimia (P2K) – LIPI, Bandung.

ASTM, “*ASTM Annual Book of ASTM Standards Section 4 Volume 04.02*”,  
ASTM 100 West Conshohocken, PA.

Bhattacharyya Triparna et al., 2008) *Self-Healing Concrete*, Department of Chemical Engineering, University of Rhode Island , United State.

Dede Juanda, 2011, *Bacillus cereus*, <http://dede-bogel.blogspot.com/2011/07/karakteristik-dan-potensi-antibiotik.html>.

Departemen Pekerjaan Umum, 1982, *Persyaratan Umum Bahan Bangunan di Indonesia*, Pusat Penelitian dan Pengembangan Pemukiman, Departemen Pekerjaan umum Bandung.

Dipohusodo, Istimawan, 1994. *Struktur Beton Bertulang*, Gramedia Pustaka Utama, Jakarta.

Hallinan., 2010, *Bakteri Beton*: Firman

Hallinan., 2010, *Lem Bakteri*: Kimiaunipa

Cell and Molecular Bioscience Newcastle University, Newcastle upon Tyne, NE1  
7RU, Newcastle.

Huang Haoliang dan Ye Guang, 2011, *Application of sodium silicate solution as self-healing agent in cementitious materials*, Microlab, Faculty of Civil Engineering and Geosciences Delft University of Technology, The Netherlands.

Jonkers Henk, 2010, *BioConcrete: A novel bio-based material*, Delft University of Technology, Belanda.

Kim, 2013, *Self-Healing in Cementitious Materials*, Department of Structural Engineering, Faculty of Engineering, Ghent University, Belgium.

Klaas, 2012, *SELF HEALING MATERIAL CONCEPTS AS SOLUTION FOR AGING INFRASTRUCTURE*, Delf University of Technology, Netherlands.

Kukjoo, 2013, *Self-Healing Concrete*, Univeristy of Florida, Amerika Serikat.

Mayasari, 2005. *Pseudomonas aeruginosa: Karakteristik, Infeksi dan Penanganan*. Departemen Mikrobiologi Fakultas Kedokteran Universitas Sumatera Utara. Medan.

Michelle, “*Self-healing concrete with a microencapsulated healing agent*”, Laboratory of Soft Colloids & Interfaces, Department of Chemical Engineering , University of Rhode Island, USA.

Mulyono, T. 2003. *Teknologi Beton*. Andi: Yogyakarta.

Mulyono, Tri. (2005). *Teknologi Beton*. Yogyakarta: Andi.

*Monmorilonit Superabsorben Polimer Hidro Gel Komposit Melalui Proses*

*Kopolimerisasi cangkok*", Pusat Penelitian Kimia-LIPI, Bandung

Pelzcar, 1986, *Dasar-dasar Mikrobiologi*. Penerbit Universitas Indonesia

( UI-Press), Jakarta.

Pourjavadi, A., M.S. Amini-Fazl, M. Ayyari, 2007, *Optimization of synthetic conditions*

*CMC-g-poly(acrylic acid)/celite composite superabsorbent by Taguchi method and*

*determination of its absorbency under load. eXPRESS Polymer, Letters* 1(8): 488-

494: Sunardi dkk, 2013, *Pengaruh Derajat Netralisasi Asam Akrilat Pada Sintesis*

*Polimer Superabsorben Dari Selulosa Tumbuhan Alang-Alang (Imperata*

*Cylindrica).*

Ramachandran SK, Ramakrishnan V, Bang SS, 2001, *Remediation of concrete using*  
*micro-organisms. ACI Materials Journal* 98:3-9.

Rao, 2013, *Beton buatan - A Sustainable Self-Healing Bahan Konstruksi,*

Jurusan Teknik Sipil , Fakultas Teknik JNTUH Hyderabad , INDIA.

Reinke Svenja K, 2012, *Polyurea/polyurethane microcapsules based self healing*

*concrete, University of Rhode Island, United State.*

Rizki, 2012, <http://brizky27.blogspot.com/2012/09/bacillus.html>.

*Scanning Electron Microscope:* expertmind.com

Sisomphon K dan Copuroglu O, 2011, *Self Healing Mortars By Using Different*

*Cementitious Material,* Delft University of Technology, Delft, The Netherlands.

Yayasan LPMB, Bandung.

SK SNI T-15-1991-03, *Departemen Pekerjaan Umum RI*, Gramedia Pustaka

Utama, Jakarta.

SNI 15 – 2049 – 1994 Portland Semen, Jakarta SNI-03-2847-2002, *Tata Cara*

*Perhitungan Struktur Beton Untuk Bangunan Gedung*, Beta Version, Bandung.

Swap, 2013. *Geochemical Instrumentation and Analysis*,

[http://serc.carleton.edu/research\\_education/geochemsheets/techniques/SEM.html](http://serc.carleton.edu/research_education/geochemsheets/techniques/SEM.html).

Tjokrodimulyo, Kardiyono, 1995, *TEKNOLOGI BETON*, Jurusan Teknik Sipil Fakultas

Teknik UGM, Yogyakarta.

Tjokrodimulyo, Kardiyono, 1992, *TEKNOLOGI BETON*, Biro Penerbit, Yogyakarta.

Tjokrodimuljo, K., 1996, *Teknologi Beton*. Yogyakarta : Nafiri.

Tjokrodimuljo, Kardiyono. 2007. *Teknologi Beton*. Biro Penerbit Jurusan Teknik Sipil

Fakultas Teknik UGM, Sleman, Daerah Istimewa Yogyakarta.

Wahyu, Widhiarso, 2012, *Penjelasan Teoritik Mengenai SEM untuk pemula*, Fakultas

Psikologi UGM, Yogyakarta.

Wang J.Y et al., 2013, *Hydrogel Encapsulated Bacterial Spores For Self-Healing*

*Concrete: Proof Of Concept*, Ghent University, Belgia

Wicaksono, Rochmat, tahun 2016 *Pemanfaatan Bakteri Bacillus subtilis dan Bacillus*

*cereus untuk Proses self Healing Concrete dengan Metode Enkapitulasi Hidrogel*

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