# DAFTAR PUSTAKA

American Concrete Institute 318-83. 1983. ACI Building Code Requirements For Structural Concrete.

ASTM C.125-1995:61. 1995. *Standard Definition of Terminology Relating to Concrete and Concrete Agregates.*

Bhikshma, V., Nitturkar, K. Dan Venkatesham, Y. 2009. *Investigation On mechanical Properties Of High Strength Silica Fume Concrete*. Asian Journal Of Civil Engineering. Volume 10, No. 3, Pages 335-346.

British Standart 3148. 1959. Test Water For Making Concrete.

British and European Standart 12350 - 5. 2008. The Test Flow Test For Fresh Concrete.

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

Imran, Iswandi. 1997. Petunjuk Perencanaan Campuran Beton Mutu Tinggi dengan Metode ACI, Laboratorium Struktur dan Bahan, ITB

Mahyar, H. 2012, *Mikrosilika Sebagai Bahan Tambah Untuk Meningkatkan Kuat Tekan Beton Mutu Tinggi*, REINTEK. Volume 7, No.1, ISSN 1907-5030.

Mahyar, H. 2013, *Pemakaian Additive Micro Silica Dalam Campuran Beton Normal Untuk Meningkatkan Kuat Tekan Beton Normal*, JURNAL PORTAL. Volume 7, No.1, ISSN 2085-7454.

Mulyono, Tri. 2005. *Teknologi Beton*. Yogyakarta. ANDI.

Nawy, E.G. 1985. *Reinforced Concrete a Fundamental Approach*. Sidney. Mac Graw-Hill Book Company.

Neville, A.M and Brook, J.J. 1987. *Concrete Technology*. London. Longman Scientific and Technical.

Nili, M., Ehsani, A., dan Shabani, K. 2010, *Influence Of Nano Silica and Microsilica on Concrete Performance*. International Confrence On Sustainable Construction Materials and Technologies.. ISBN 978-4507-1484-4.

Nugraha, Paul. dan Antoni. 2007. *Teknologi Beton dan Material, Pembuatan Beton Kinerja Tinggi.* Yogyakarta: Andi Offset.

Priyadarshana, T., Dissanayake, R., dan Mendis, P. 2015, *Effect Of Nano Silica, Micro Silica , Fly Ash and Bottom Ash on Compressive Strength Of Concrete*. Journal Of Civil Engineering And Architecture 9. Pages 1146-1152.

Pujianto, As’at. November 2011, *Beton Mutu Tinggi dengan Admixture Superplasticizer dan Aditif Silica Fume*. Semesta Teknika. Volume 14, No.2, 177-185. Oktober 2016

Pujianto, As’at. November 2010, *Beton Mutu Tinggi dengan Admixture Superplasticizer dan Fly Ash*. Semesta Teknika. Volume 13, No.2, 171-180. Oktober 2016

Safiuddin, Md., Raman, S., dan Zain, M. 2007, *Effect Of Different Curing Method on the Properties Of Microsilica*. Australian Journal of Basic and Applied Sciences. No. 1 (2). Pages 87-95. ISSN 1991-8178.

Standart Nasional Indonesia 03 – 6368 - 2000. 2000. *Tata Cara Perencanaan Campuran Tinggi dengan Semen Portland dan Abu Terbang.*

Standart Nasional Indonesia 03-6433 - 2000. 2000. *Metode Pengujian Kerapatan Penyerapan Dan Rongga Dalam Beton Yang Telah Mengeras*.

Standart Nasional Indonesia 1974:2011. 2011.*Cara Uji Kuat Tekan Beton Dengan Benda Uji Silinder.*

Standart Nasional Indonesia 2847:2013. 2013. *Persyaratan Struktural Beton Untuk Bangunan Gedung.*

Surat Keputusan Standart Nasional Indonesia T -15 – 1991 – 03. 1991. Tata Cara Perhitungan Struktur Beton Untuk Bangunan Gedung.

Tjokrodimuljo, Kardiyono. 1996. *Teknologi Beton.* Yogyakarta. Biro Penerbit Keluarga Mahasiswa Teknik Sipil Universitas Gadjah Mada.

**LAMPIRAN**

**Lampiran 1.** Hasil Pengujian Material Bahan

|  |  |
| --- | --- |
| No. | Gambar |
| 1 | C:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230726-WA0126.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230726-WA0099.jpg |
| 2 | C:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230726-WA0096.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230726-WA0097.jpg |
| 3 | C:\Users\TOSHIBA\Pictures\IMG-20230726-WA0109.jpg C:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230726-WA0122.jpg |

**LAMPIRAN**

**Lampiran 2.** Pembuatan Benda Uji

|  |  |
| --- | --- |
| No. | Gambar |
|  | C:\Users\TOSHIBA\Downloads\2\aziz\WhatsApp Image 2023-06-20 at 08.37.39.jpeg C:\Users\TOSHIBA\Downloads\2\aziz\WhatsApp Image 2023-06-20 at 08.37.39 (1).jpeg |
|  | C:\Users\TOSHIBA\Downloads\2\aziz\WhatsApp Image 2023-06-20 at 08.37.40.jpeg C:\Users\TOSHIBA\Downloads\2\aziz\WhatsApp Image 2023-06-20 at 08.37.41.jpeg |

**LAMPIRAN**

**Lampiran 3.** Hasil Uji Kuat Tekan dan Berat Beton

|  |  |
| --- | --- |
| No. | Gambar |
| 1 | Umur 7 hari Beton Normal  C:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230714-WA0068.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230714-WA0065.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230715-WA0005.jpg |
| 2 | Umur 7 hari 5% Pasir Silika  C:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230714-WA0093.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230714-WA0097.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230714-WA0097.jpg |
| 3 | Umur 7 hari 10% Pasir Silika  C:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230714-WA0097.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230714-WA0065.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230714-WA0097.jpg |
| 4 | Umur 7 hari 15 % Pasir Silika  C:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230714-WA0040.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230714-WA0041.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230714-WA0040.jpg |
| 5 | Umur 21 hari Beton Normal  C:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230714-WA0043.jpg C:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230714-WA0044.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230714-WA0045.jpg |
| 6 | Umur 21 hari 5% Pasir Silika  C:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230714-WA0112.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230714-WA0112.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230714-WA0112.jpg |
| 7 | Umur 21 hari 10% Pasir Silika  C:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230713-WA0018.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230713-WA0019.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230713-WA0020.jpg |
| 8 | Umur 21 hari 15 % Pasir Silika  C:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230715-WA0000.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230715-WA0001.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230715-WA0002.jpg |
| 9 | Umur 28 hari Beton Normal  C:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230713-WA0012.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230713-WA0014.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230713-WA0013.jpg |
| 10 | Umur 28 hari 5% Pasir Silika  C:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230713-WA0015.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230713-WA0016.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230713-WA0017.jpg |
| 11 | Umur 28 hari 10% Pasir Silika  C:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230715-WA0003.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230715-WA0004.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230715-WA0003.jpg |
| 12 | Umur 28 hari 15 % Pasir Silika  C:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230713-WA0009.jpg4C:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230713-WA0010.jpgC:\Users\TOSHIBA\Pictures\New folder (2)\IMG-20230713-WA0011.jpg |