

DAFTAR PUSTAKA

- Direktorat Jenderal Pengairan. (1986). *Kriteria Perencanaan Bagian Jaringan Irigasi KP-01*, Bandung: CV. Galang Persada
- Direktorat Jenderal Pengairan. (1986). *Kriteria Perencanaan Bagian Jaringan Irigasi KP-04*, Bandung: CV. Galang Persada
- Harahap, Hermanto. (2018). *Evaluasi perencanaan bangunan siphon pada bendung sei padang kab. Serdang bedagai district, north sumatra*. Volume 2, 2 September 2018. ISSN 2549-6387 (Online)
- Mawardi, Eman, Prof. (2007). *Desain Hidraulik Bangunan Irigasi*. Bandung: Alfabeta Bandung
- Mawardi, Memed. (2010). *Desain hidraulik bendung tetap untuk irigasi teknis*. Bandung : Alfabeta
- Peraturan Pemerintah, No. 20. 2006. Tentang Irigasi
- Sosrodarsono, Takeda. (2003). *Hidrologi Untuk Pengairan*. Jakarta : PT. Pradnya Paramitha.
- Sudirman, dkk. (2021). *Sistem irigasi dan bangunan air*. Yayasan kita menulis.
- Triatmojo, Bambang. 1993, *Hidraulika II*. Beta Offset : Yogyakarta.

LAMPIRAN

Lampiran 1. Data Klimatologi Stasiun Awanpone

| Data | : Kelembaban Udara, Rh (%) | | | | | | | | | | | |
|----------------|----------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Stasiun | : Awangpone | | | | | | | | | | | |
| Tahun | : 2005-2014 | | | | | | | | | | | |
| Tahun | Jan | Feb | Maret | April | Mei | Juni | Juli | Agst | Sept | Okto | Nov | Des |
| 2005 | 98.16 | 97.08 | 97.30 | 88.07 | 98.48 | 98.55 | 97.80 | 97.10 | 98.35 | 98.50 | 98.41 | 98.60 |
| 2006 | 77.00 | 78.33 | 75.16 | 82.56 | 84.36 | 80.70 | - | 70.65 | 67.02 | 65.09 | 69.23 | 75.27 |
| 2007 | 97.46 | 98.17 | 97.67 | 97.80 | 97.31 | 97.81 | 97.12 | 97.40 | 94.57 | 95.80 | 96.48 | 97.65 |
| 2008 | 98.66 | 97.06 | 97.66 | 98.33 | 98.33 | 98.66 | 98.00 | 92.33 | 98.33 | 98.33 | 98.33 | 98.53 |
| 2009 | 98.40 | 107.60 | 98.60 | 98.70 | 98.70 | 98.31 | 98.70 | 97.66 | 98.33 | 98.00 | 98.00 | 98.33 |
| 2010 | 98.33 | 98.66 | 98.66 | 98.66 | 98.66 | 98.00 | 98.66 | 98.66 | 97.66 | 98.00 | 96.33 | 98.70 |
| 2011 | 98.70 | 94.35 | 96.73 | 96.73 | 97.16 | 97.54 | 97.16 | 97.03 | 95.52 | 94.93 | 95.75 | 96.32 |
| 2012 | 96.00 | 97.00 | 96.70 | 95.30 | 95.00 | 96.00 | 97.00 | 94.60 | 96.00 | 96.30 | 96.60 | 97.30 |
| 2013 | 95.80 | 95.00 | 97.60 | 97.80 | - | - | - | - | - | - | - | - |
| 2014 | - | - | - | - | - | - | - | - | - | - | - | - |
| Average | 85.85 | 86.33 | 85.61 | 85.40 | 76.80 | 76.56 | 68.44 | 74.54 | 74.58 | 74.50 | 74.91 | 76.07 |
| Max | 98.70 | 107.60 | 98.66 | 98.70 | 98.70 | 98.66 | 98.70 | 98.66 | 98.35 | 98.50 | 98.41 | 98.70 |
| Min | - | - | - | - | - | - | - | - | - | - | - | - |

(a)

| Data | : Temperatur Udara, °C | | | | | | | | | | | |
|----------------|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Stasiun | : Awangpone | | | | | | | | | | | |
| Tahun | : 2005-2014 | | | | | | | | | | | |
| Tahun | Jan | Feb | Maret | April | Mei | Juni | Juli | Agst | Sept | Okto | Nov | Des |
| 2005 | 28.6 | 27.85 | 28.38 | 27.93 | 27.64 | 27.45 | 27.10 | 27.10 | 27.73 | 28.15 | 28.10 | 28.10 |
| 2006 | 28.70 | 28.30 | 28.75 | 28.34 | 27.80 | 26.73 | 26.10 | 27.11 | 27.60 | 28.10 | 29.32 | 28.83 |
| 2007 | 29.60 | 28.36 | 28.52 | 28.72 | 28.10 | 27.80 | 27.22 | 26.73 | 27.30 | 28.24 | 28.50 | 28.53 |
| 2008 | 28.10 | 28.80 | 28.00 | 27.60 | 27.40 | 27.20 | 26.90 | 26.70 | 27.50 | 28.30 | 28.50 | 28.20 |
| 2009 | 26.77 | 24.82 | 28.30 | 27.44 | 27.70 | 27.46 | 26.70 | 27.70 | 28.20 | 28.80 | 27.90 | 29.20 |
| 2010 | 28.80 | 28.70 | 28.00 | 28.60 | 28.70 | 27.70 | 26.00 | 28.40 | 28.10 | 28.40 | 28.70 | 28.51 |
| 2011 | 28.25 | 27.88 | 28.30 | 28.70 | 28.23 | 27.41 | 27.30 | 27.53 | 27.92 | 28.90 | 28.70 | 28.95 |
| 2012 | 28.80 | 28.10 | 28.40 | 28.20 | 29.10 | 29.00 | 28.50 | 29.20 | 30.80 | 31.80 | 31.80 | 32.10 |
| 2013 | 32.00 | 32.00 | 31.10 | 31.10 | - | - | - | - | - | - | - | - |
| 2014 | - | - | - | - | - | - | - | - | - | - | - | - |
| Average | 25.67 | 25.22 | 25.49 | 25.66 | 22.47 | 21.56 | 21.58 | 22.05 | 22.52 | 23.07 | 23.15 | 23.24 |
| Max | 32.00 | 32.00 | 31.10 | 31.10 | 29.10 | 29.00 | 28.50 | 29.20 | 30.80 | 31.80 | 31.80 | 32.10 |
| Min | - | - | - | - | - | - | - | - | - | - | - | - |

(b)

| Data | : Kecepatan Angin, Km/h (Km/jam) | | | | | | | | | | | |
|----------------|----------------------------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|
| Stasiun | : Awangpone | | | | | | | | | | | |
| Tahun | : 2005-2014 | | | | | | | | | | | |
| Tahun | Jan | Feb | Maret | April | Mei | Juni | Juli | Agst | Sept | Oktob | Nov | Des |
| 2005 | - | - | - | - | - | - | - | - | - | - | - | - |
| 2006 | 78.50 | 32.00 | 81.00 | - | - | - | - | - | - | - | - | - |
| 2007 | - | - | - | - | - | - | - | - | - | - | - | - |
| 2008 | 61.60 | 76.90 | 55.20 | 62,9 | 80.50 | 68.20 | 99.90 | 139.20 | 115.00 | 115.40 | 64.70 | 59.00 |
| 2009 | 85.45 | 85.36 | 85.60 | 86.45 | - | - | 58.50 | 120.10 | 125.20 | 127.00 | 100.60 | 58.10 |
| 2010 | 58.20 | 27.20 | 22.40 | 39.70 | 50.00 | 68.30 | 66.40 | 67.80 | 66.40 | 58.80 | 37.90 | - |
| 2011 | - | - | - | - | - | - | - | - | - | - | - | - |
| 2012 | 52.60 | 34.60 | 36.70 | 58.90 | - | 69.10 | 68.00 | 120.40 | 129.30 | 140.80 | 83.90 | - |
| 2013 | - | - | - | - | - | - | - | - | - | - | - | - |
| 2014 | - | - | - | - | - | - | - | - | - | - | - | - |
| Average | 33.64 | 25.61 | 28.09 | 20.56 | 13.05 | 20.56 | 29.28 | 44.75 | 43.59 | 44.20 | 28.71 | 11.71 |
| Max | 85.45 | 85.36 | 85.60 | 86.45 | 80.50 | 69.10 | 99.90 | 139.20 | 129.30 | 140.80 | 100.60 | 59.00 |
| Min | - | - | - | - | - | - | - | - | - | - | - | - |

(c)

| Data | : Penyinaran Matahari, n/N (%) | | | | | | | | | | | |
|----------------|--------------------------------|------|-------|-------|------|------|------|------|------|-------|------|------|
| Stasiun | : Awangpone | | | | | | | | | | | |
| Tahun | : 2005-2014 | | | | | | | | | | | |
| Tahun | Jan | Feb | Maret | April | Mei | Juni | Juli | Agst | Sept | Oktob | Nov | Des |
| 2005 | - | - | 7.37 | 6.21 | 5.80 | - | 7.57 | 8.13 | 9.58 | - | 6.37 | 4.58 |
| 2006 | 5.20 | - | 5.09 | - | 5.80 | 5.60 | 7.30 | 8.56 | 7.25 | 9.17 | - | - |
| 2007 | - | 6.10 | 5.34 | 5.90 | - | - | 7.60 | 6.66 | - | 8.53 | - | 5.33 |
| 2008 | 6.10 | - | 6.60 | 5.00 | 6.20 | 6.60 | 5.00 | - | 7.50 | 8.10 | 7.00 | 4.00 |
| 2009 | - | 8.50 | 5.91 | 5.55 | 6.47 | 7.30 | 6.80 | 9.00 | 9.10 | 9.10 | 8.00 | 6.20 |
| 2010 | 5.20 | 6.30 | 6.10 | 5.90 | 6.70 | 4.90 | 5.60 | 5.40 | 7.70 | 6.30 | 7.00 | 4.25 |
| 2011 | 4.30 | 4.72 | 4.63 | 5.24 | 5.42 | 5.94 | 7.00 | 8.11 | 7.90 | 8.22 | 7.10 | 3.47 |
| 2012 | - | - | - | - | - | - | - | - | - | - | - | - |
| 2013 | 5.10 | 5.70 | 5.10 | 4.30 | 6.10 | 5.30 | 3.10 | 5.80 | 8.60 | 8.00 | - | - |
| 2014 | - | - | 5.45 | 4.83 | 5.95 | - | - | - | - | - | - | - |
| Average | 2.59 | 3.13 | 5.16 | 4.29 | 4.84 | 3.56 | 5.00 | 5.17 | 5.76 | 5.74 | 3.55 | 2.78 |
| Max | 6.10 | 8.50 | 7.37 | 6.21 | 6.70 | 7.30 | 7.60 | 9.00 | 9.58 | 9.17 | 8.00 | 6.20 |
| Min | - | - | - | - | - | - | - | - | - | - | - | - |
| | 0.21 | 0.26 | 0.43 | 0.36 | 0.41 | 0.30 | 0.42 | 0.43 | 0.48 | 0.47 | 0.47 | 0.23 |

(d)

(a) data kelembapan udara; (b) data temperatur udara; (c) data kecepatan angin; (d) data penyinaran matahari



Gambar : Bangunan siphon