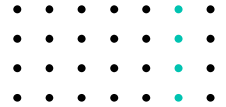


Program Penelitian Observatorium Bosscha 2021
PENGAMATAN BINTANG GANDA
REFRAKTOR GANDA ZEISS

Oleh:

Mochamad Irfan, Agus Setiawan,
Maman Sulaeman, Irfan Imaduddin

KONTEN



Pada **kesempatan** ini akan dibahas:

1. Pelatihan
2. Materi:
 - Pengenalan **Gedung Koepel** dan **Refraktor Ganda Zeiss**.
 - Pengamatan **bintang ganda**.
 - Pengolahan **data, analisis** dan **pelaporan**.
 - Pengembangan **instrumentasi**.
 - Tambahan



PELATIHAN



WAKTU

April – September
2021



TARGET

2 mahasiswa
Astronomi ITB



PRASYARAT

- Astronomi Posisi
- Astrofisika
- Mekanika
- Listrik Magnet
- Gelombang



PERANGKAT

- Arduino
- AutoCAD
- IRAF
- python



MATERI



MATERI

Pengenalan Gedung Koepel dan Refraktor Ganda Zeiss

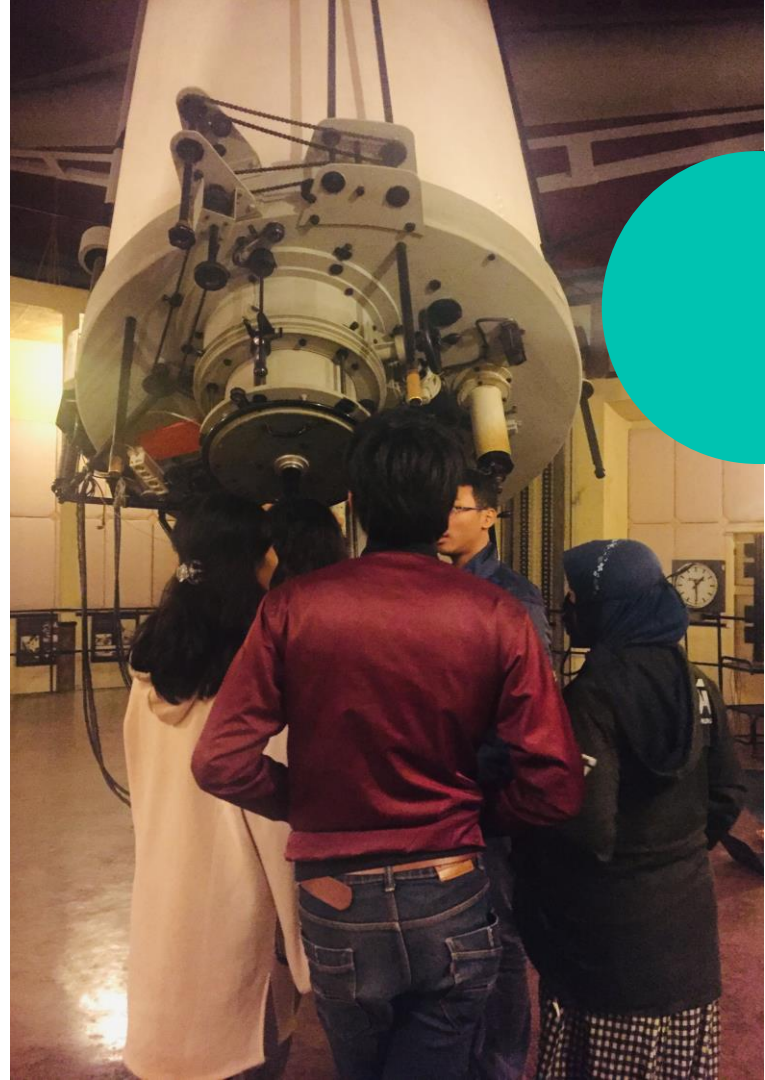
- Pengenalan fasilitas dan infrastruktur
- Pengenalan komponen utama dan pendukung
 - kelistrikan dan mekanik gedung
 - teleskop (tabung utama, *mounting*, dsb)
 - kubah dan lantai pengamat
- Pengenalan *Standard Operating Procedure* (SOP) gedung dan teleskop



MATERI PENGAMATAN

• • • • •

- Pengenalan perlengkapan utama dan tambahan
- Pengenalan objek program dan objek kalibrator
- Membuat strategi pengamatan
- Melakukan pekerjaan sesuai dengan SOP

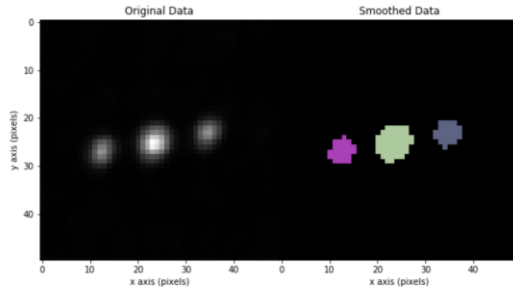


MATERI

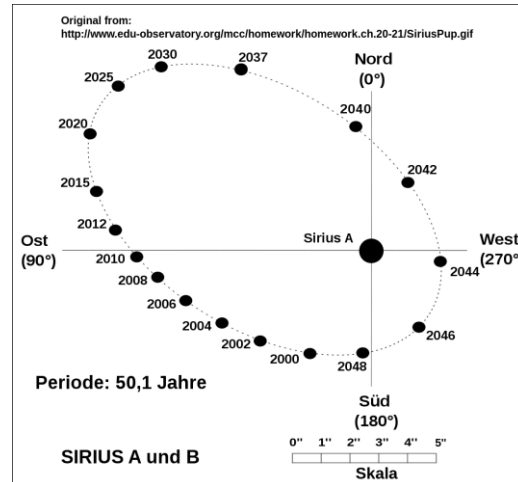
DATA, ANALISIS DAN LAPORAN



OLAH DATA



ANALISIS



LAPORAN

*The Third Pacific Rim Conference on Recent Development of Binary Star Research
ASP Conference Series, Vol. 130, 1997
Kam-Ching Leung (ed.)*

A DATABASE FOR VISUAL DOUBLE STAR OBSERVED AT BOSSCHA OBSERVATORY

D.M.D. JASINTA

Bosscha Observatory, Lembang 40391, Bandung Indonesia
Department of Astronomy, Bandung Institute of Technology,
Jl. Ganesha 10, Bandung 40132, Indonesia

ABSTRACT Observations of visual double stars at Bosscha Observatory have been carried out since 1924. Based on more than 20 publications over 70 years of observations, an extensive database has been compiled. The main aim is to improve the observational programme. Among 600 stars listed in the programme, there are about 60 pairs that show well-curved orbits and 135 pairs exhibit moderate orbits. We urge further observations of the later pairs in order to secure definite orbital elements.



BOSSCHA
OBSERVATORY
Institut Teknologi Bandung

PENGEMBANGAN



MEKANIK

Motorisasi dan
monitoring mesin
penggerak



TEKNIK

Speckle
interferometry



INSTRUMEN

Optik adaptif



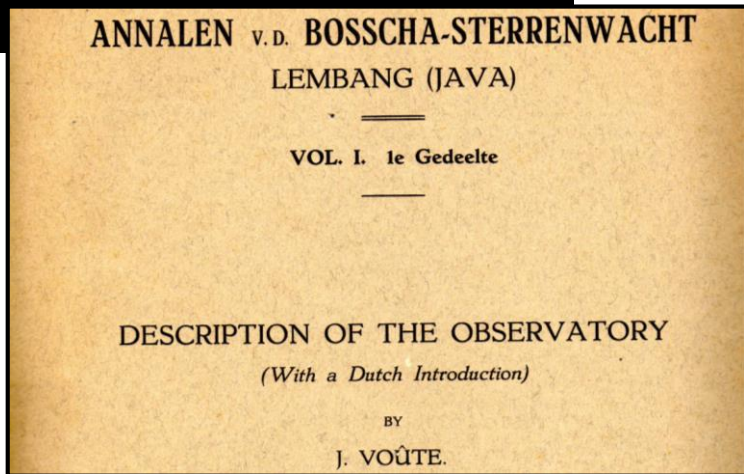
PENDINGIN

Water and
nitrogen cooling
systems





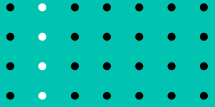
TAMBAHAN



Pengenalan sumber pustaka



Maintenance teleskop
(~ Juni 2021)



TERIMA KASIH

