

Kunci jawaban Observasi Astronomi

Skenario Cerah

- 1.1 Ekuator Langit
- 1.2 Vernal Equinox
- 1.3 Rasi Scorpius
- 1.4 Bintang Paling terang dalam Summer Triangle : Vega
- 1.5 Nama Bintang : Fomalhaut
Nama Rasi : Piscis Austrinus

- 2.1 Pilih Bintang
- 2.2 Tunjuk Bintang
- 2.4 Waktu yang teramati : ~2.20 menit
- 2.5 Medan Pandang Teleskop : ~32'.97

$$FOV = \frac{15' \times \text{Waktu yang teramati (dalam menit)}}{1 \text{ menit}}$$

3.1

3.1 RASI DI KAWASAN EKLIPTIKA	19.00 – 20.00 Ophiuchus – Scorpius – Sagittarius – Capricornus - Aquarius 20.00 – 21.00 Ophiuchus – Scorpius – Sagittarius – Capricornus - Aquarius 21.00 – 22.00 Ophiucus - Sagittarius – Capricornus – Aquarius - Pisces 22.00 – 23.00 Sagittarius – Capricornus – Aquarius - Pisces 23.00 – 24.00 Sagittarius – Capricornus – Aquarius – Pisces - Aries
RASI DI UTARA EKLIPTIKA	19.00 – 20.00 Cygnus – Lyra – Hercules – Pegasus – Vulpecula – Sagitta – Equuleus – Aquila – Scutum 20.00 – 21.00 Cygnus – Lyra – Hercules – Pegasus – Vulpecula – Sagitta – Equuleus – Aquila – Scutum 21.00 – 22.00 Cygnus – Lyra – Pegasus – Vulpecula – Sagitta – Equuleus – Aquila – Scutum 22.00 – 23.00 Lacerta – Andromeda - Cygnus – Lyra – Hercules – Pegasus – Vulpecula – Sagitta – Equuleus – Aquila – Scutum 23.00 – 24.00 Lacerta – Andromeda – Hercules – Pegasus – Vulpecula – Sagitta – Equuleus – Aquila – Scutum - Triangulum

RASI DI SELATAN EKLIPTIKA

19.00 – 20.00 Grus – Indus – Microscopium –
Telescopium – Ara – Norma – Lupus – Pavo –
Corona Australis
20.00 – 21.00 Sculptor - Grus – Indus –
Microscopium – Telescopium – Ara – Norma -
Pavo - Corona Australis
21.00 – 22.00 Tucana – Phoenix - Sculptor -
Grus – Indus – Microscopium – Telescopium –
Ara - Corona Australis
22.00 – 23.00 Hydrus - Tucana – Phoenix -
Sculptor - Grus – Indus – Microscopium –
Telescopium- Corona Australis
23.00 – 24.00 Horologium - Hydrus - Tucana –
Phoenix - Sculptor - Grus – Indus –
Microscopium – Telescopium – Corona Australis

3.2 Sketsa



Skenario Mendung/Hujan

1.1 Kutub Langit Selatan

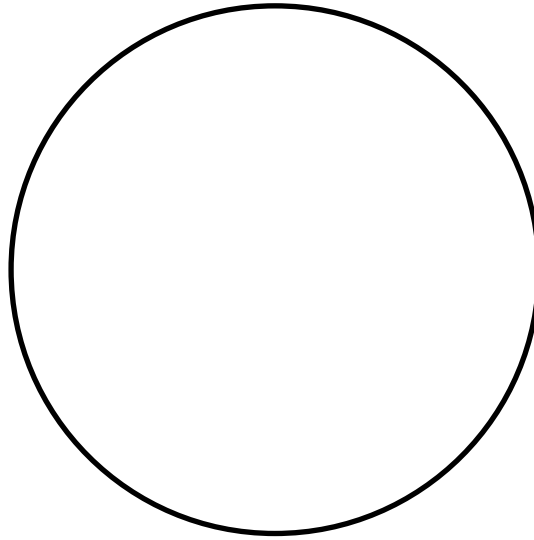
1.2 Vernal Equinox

1.3 Ekuator Langit

1.4 Meridian

1.5 Titik Cardinal

2.2



2.3 Jumlah Skala : akan di periksa oleh asisten juri

2.4 Medan Pandang Teleskop: $\sim 32'.97$

$$FOV = \tan \frac{skala}{jarak}$$

Tipe Teleskop : Refraktor

Panjang Fokus Okuler : 14 mm

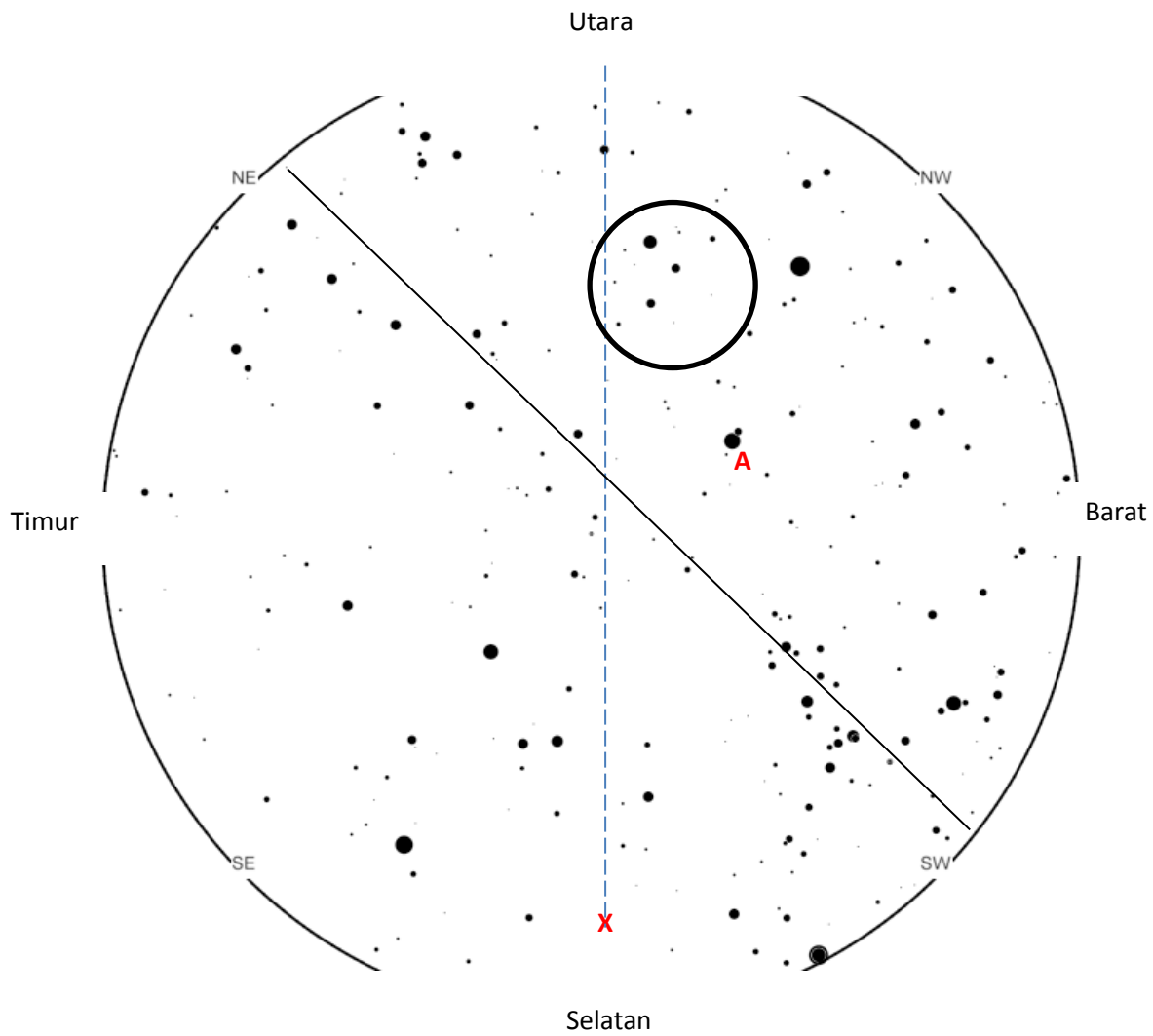
3.1 Rasi yang dilalui Ekliptika dari Barat Ke Timur : Libra – Ophiucus – Scorpius – Sagittarius – Capricornus – Aquarius – Pisces - Aries

3.2 Sketsa



Skenario Mendung/Hujan Ditengah-tengah tes

1.1 sampai 1.6



2.1 Panjang Fokus = 910 mm

$$2.2 M = \frac{Fob}{Fok} = \frac{910}{10} = 91 \text{ Kali}$$

$$2.3 FOV = \frac{aFOV}{M} = \frac{50}{91} = 0^\circ.55 = 32'.97$$