



FIRST SEMESTER

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# MIDTERM REPORT

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2023/2024

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YAYASAN AL ABIDIN SURAKARTA  
**SEKOLAH MENENGAH ATAS**  
**AL ABIDIN BILINGUAL BOARDING SCHOOL (ABBS) SURAKARTA**  
**TERAKREDITASI: A (Unggul)**

Jalan Tarumanegara III no 22, Banyuanyar, Banjarsari, Surakarta 57137

Telepon : 0271 - 7882145, Laman : [www.abbs.alabidin.sch.id](http://www.abbs.alabidin.sch.id), Surat elektronik : [abbs@alabidin.sch.id](mailto:abbs@alabidin.sch.id)

**LAPORAN HASIL ASESMEN TENGAH SEMESTER**

Nama : Nabil Rajendra Hieksha Semester : V  
NIS : 21091105 Tahun Ajaran : 2023/2024  
Kelas : XII MIPA 3

No	Mata Pelajaran	KKM	Nilai ATS	Keterangan	Rata-Rata Kelas
<b>Kelompok A (Wajib) :</b>					
1	Pendidikan Agama dan Budi Pekerti	75.00	90.00	Terlampai	83.15
2	Pendidikan Pancasila dan Kewarganegaraan	75.00	87.00	Terlampai	85.04
3	Bahasa Indonesia	75.00	89.00	Terlampai	86.16
4	Matematika	75.00	94.00	Terlampai	89.64
5	Sejarah Indonesia	75.00	96.00	Terlampai	90.28
6	Bahasa Inggris	75.00	91.00	Terlampai	84.68
<b>Kelompok B (Wajib) :</b>					
7	Pendidikan Jasmani dan Kesehatan	75.00	84.00	Terlampai	86.00
8	Prakarya dan Kewirausahaan	75.00	85.00	Terlampai	86.76
<b>Kelompok C (Peminatan) :</b>					
<b>Peminatan Matematika dan Ilmu Alam</b>					
1	Matematika	75.00	90.00	Terlampai	82.88
2	Kimia	75.00	90.00	Terlampai	76.32
3	Biologi	75.00	98.00	Terlampai	81.76
4	Fisika	75.00	88.00	Terlampai	81.64
<b>Mata Pelajaran Lintas Minat :</b>					
1	Bahasa dan Sastra Inggris	75.00	85.00	Terlampai	78.12

Rekap kehadiran	Jenis Ketidakhadiran		Keterangan	
	Sakit	-	hari	
	Izin	5	hari	
	Tanpa keterangan	-	hari	



Surakarta, 14 Oktober 2023

Pt. Kepala Sekolah,

Agung Sularso, S.Pd., Gr.

NIK. 2013 06 2 064



## SMA ABBS Surakarta

Jalan Tarumanegara III Banyuanyar, Banjarsari,  
Surakarta, 57137, 0271 – 7882145

## Cambridge Class Program Report

<b>Name</b>	: Nabil Rajendra Hiekso	<b>Qualification</b>
<b>Class</b>	: XII MIPA 3	Cambridge International AS and A Level Physics
<b>NIS/NISN</b>	: 21091105/ 0063438264	
<b>Academic Year</b>	: 2023/2024	
<b>Semester</b>	: Five	<b>Syllabus code 9702</b>

No	Indicators	Mark
1	Recalling and using $E = Q/(4\pi\epsilon_0 r^2)$ for the electric field strength due to a point charge in free space	A
2	Analyzing graphs of the variation with time of potential difference, charge and current for a capacitor discharging through a resistor	A
3	Using, for a current carrying conductor, the expression $I = nqvA$ , where n is the number density of charge carriers	A
4	Understanding the effects of the internal resistance of a source of e.m.f. on the terminal potential difference	B
5	Deriving, using Kirchhoff's laws, a formula for the combined resistance of two or more resistors in parallel and series	A



Acting Official Principal

Asung Sularso, S.Pd., Gr.

Surakarta, 14 October 2023

Teacher,

Asy Syifa Labibah, S.Pd., M.Sc.



## SMA ABBS Surakarta


Jalan Tarumanegara III Banyuanyar, Banjarsari,  
Surakarta, 57137, 0271 – 7882145

## Cambridge Class Program Report

<b>Name</b>	: Nabil Rajendra Hiekxa	<b>Qualification</b>
<b>Class</b>	: XI MIPA 3	Cambridge International AS and A Level Mathematics
<b>NIS/NISN</b>	: 21091105/0063438264	
<b>Academic Year</b>	: 2023/2024	
<b>Semester</b>	: Five	<b>Syllabus code 9709</b>

No	Indicators	Mark
1	Understanding the idea of 'reverse differentiation' to include the integration of $e^{ax+b}$ , $\frac{1}{ax+b}$ , $\sin \sin(ax + b)$ , $\cos \cos(ax + b)$ , $(ax + b)$ , and $\frac{1}{x^2+a^2}$ .	B
2	Using trigonometrical relationships in carrying out integration.	A
3	Integrating rational functions by means of decomposition into partial fractions.	A
4	Recognising an integrand of the form $\frac{k f'(x)}{f(x)}$ , and integrating such functions.	A
5	Recognising when an integrand can usefully be regarded as a product, and using integration by parts.	A
6	Using a given substitution to simplify and evaluate either a definite or an indefinite integral.	A
7	Understanding and using the trapezium rule to estimate the value of a definite integral.	A

Surakarta, 14 October 2023  
Teacher,

Acting Official Principal  
  
Agung Sularso, S.Pd., Gr.

  
Tyas Wisnuwardani, S.Pd.



## SMA ABBS Surakarta

Jalan Tarumanegara III Banyuanyar, Banjarsari,  
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## Cambridge Class Program Report

<b>Name</b>	: Nabil Rajendra Hiekxa	<b>Qualification</b>
<b>Class</b>	: XII MIPA 3	Cambridge International AS and A Level Chemistry
<b>NIS/NISN</b>	: 21091105/ 0063438264	
<b>Academic Year</b>	: 2023/2024	
<b>Semester</b>	: Five	<b>Syllabus code 9701</b>

No	Indicators	Mark
1	Calculating oxidation numbers of elements in compounds and ions.	B
2	Using changes in oxidation numbers to help balance chemical equations.	B
3	Constructing redox equations using the relevant half-equations.	B
4	Calculating a standard cell potential by combining two standard electrode potentials.	C



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Teacher,

Nur Shofa Riyana, S.Si.



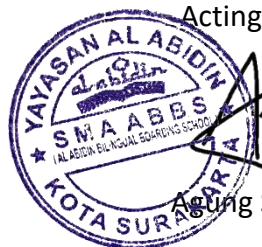
## SMA ABBS Surakarta

Jalan Tarumanegara III Banyuanyar, Banjarsari,  
Surakarta, 57137, 0271 – 7882145

## Cambridge Class Program Report

<b>Name</b>	: Nabil Rajendra Hiekso	<b>Qualification</b>
<b>Class</b>	: XII MIPA 3	Cambridge International AS and A Level Biology
<b>NIS/NISN</b>	: 21091105/ 0063438264	
<b>Academic Year</b>	: 2023/2024	
<b>Semester</b>	: Five	<b>Syllabus code 9700</b>

No	Indicators	Mark
1	Describing the process of glycolysis and the link reaction	A
2	Calculating RQ values of different respiratory substrates from equations for respiration	A
3	Describing the cyclic photophosphorylation and non-cyclic photophosphorylation that occur during the light-dependent stage of photosynthesis	A
4	Explaining the three main stages of the Calvin cycle	A
5	Describing the process of light-dependent stage in C3 dan C4 plants	A



Acting Official Principal

Astung Sularso, S.Pd., Gr.

Surakarta, 14 October 2023

Teacher,

Intan Widya Pangestika, S.Pd., M.Si.