

ANALISIS HASIL TANGGAPAN VIBERAL-RESPONSI
MENGGUNAKAN KARDUS PLASTIK DAN LITK PADA
SLICE BAKU DALAM PENYADIRANGAN ALIUTAH

ABSTRAK



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NOMOR 111 111

KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
UNIVERSITAS PALANGKA RAYA
FAKULTAS TEKNIK
JURUSAN TEKNIK TEKNIK PERLAKSIRAN
PALANGKA RAYA

ANALISIS HASIL TANGGAPAN VIBRASI KONTINYU
MENGUNAKAN KAPUT PLASTIK DAN LUBA PADA
KECEKILAN DALAM PENANJARAN ALGATIA

SARIPAH

Sebagai Salah Satu Prasyarat
Memperoleh Gelar Sarjana Teknik
Pada Jurusan Teknik Perencanaan



1988

PERIKSANG

SIK DSD III 101

KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
UNIVERSITAS PALANGKA RAYA
FAKULTAS TEKNIK
JURUSAN INJENIERAN PERENCANAAN
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**ELIMINASI PENYUNGGAN
TUGAS**

**DEPARTEMEN TEKNIK SIPIL DAN PERENCANAAN
MENCERITAKAN TENTANG PERAN DAN TUGAS
TEKNIK SIPIL DAN PERENCANAAN
DALAM**

TUGAS

**PERENCANAAN
MATERIAL**

Tugas ini bertujuan untuk mengetahui peran dan tugas teknik sipil dan perencana dalam perencanaan material.

Daftar Anggota

1. Ferial Akbar, H. PE.
N.P. 1901210011001

2. Yusef Fauzan Fauzan, ST, MT
N.P. 1901210011001

3. E. Falaq Fauzan, S.S.
N.P. 1901210011001

4. Ferial Akbar, ST, MT
N.P. 1901210011001

5. Rudy S. K. Fauzan, S.Tu, M.S.
N.P. 1901210011001



**Mengetahui
Dosen Pengajar
Tugas Perencanaan**


**RUDY S. K. FAUZAN, S.Tu, M.S.
N.P. 1901210011001**





KELOMPOK 145

Anak yang sudah terbiasa
dengan keuletan,
akan memiliki kedudukan
berpilih yang lebih baik
daripada anak yang biasa
dijanjikan oleh
kemudahan.

KELOMPOK 146 (KELAS BAKU) (TUGAS)

1. Bagaimana pendapat anda tentang keuletan dan keuletan dalam kehidupan sehari-hari? Apakah itu penting?
2. Bagaimana pendapat anda tentang keuletan dalam kehidupan sehari-hari? Apakah itu penting?
3. Bagaimana pendapat anda tentang keuletan dalam kehidupan sehari-hari? Apakah itu penting?

1. (a) The average number of calls per hour is 10. The probability of receiving 12 calls in a given hour is 0.054.

(b) The probability of receiving 12 calls in a given hour is 0.054. The probability of receiving 13 calls in a given hour is 0.036. The probability of receiving 14 calls in a given hour is 0.021. The probability of receiving 15 calls in a given hour is 0.011. The probability of receiving 16 calls in a given hour is 0.005. The probability of receiving 17 calls in a given hour is 0.002. The probability of receiving 18 calls in a given hour is 0.001.

(c) The probability of receiving 12 calls in a given hour is 0.054.



ANALYSIS OF THE EFFECTS OF SUBSTITUTED
POLYMERIZATION CATALYSTS AND POLYMERIZATION
TEMPERATURE

(Received 10/10/66)

Department of Chemistry, The University of Queensland, St. Lucia,
Australia

and

ABSTRACT

Substituted catalysts were prepared by the polymerization of
a substituted acrylate with various substituents. The effect of
the substituents on the rate of polymerization and on the
molecular weight of the polymer was studied. The effect of
the substituents on the rate of polymerization was studied
by the method of initial rates. The effect of the substituents
on the molecular weight of the polymer was studied by the
method of inherent viscosity. The effect of the substituents
on the rate of polymerization and on the molecular weight
of the polymer was studied by the method of initial rates
and by the method of inherent viscosity. The effect of the
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of inherent viscosity. The effect of the substituents on the
rate of polymerization and on the molecular weight of the
polymer was studied by the method of initial rates and by
the method of inherent viscosity.

Keywords: Polymerization, Catalysts, Temperature, Polymerization

121	Kant's Groundwork	29
122	Kant's Groundwork	29
123	Kant's Groundwork	30
124	Kant's Groundwork	31
125	Kant's Groundwork	31
126	Kant's Groundwork	31
127	Kant's Groundwork	31

BIBLI **BASE** **SAN** **TE** **FR** **QU** **IA**

11	11	31
11.1	11.1	31
11.2	11.2	31
11.3	11.3	31
11.4	11.4	31
11.5	11.5	31
11.6	11.6	31
11.7	11.7	31
11.8	11.8	31
11.9	11.9	31
11.10	11.10	31
11.11	11.11	31
11.12	11.12	31
11.13	11.13	31
11.14	11.14	31
11.15	11.15	31
11.16	11.16	31
11.17	11.17	31
11.18	11.18	31
11.19	11.19	31
11.20	11.20	31
11.21	11.21	31
11.22	11.22	31
11.23	11.23	31
11.24	11.24	31
11.25	11.25	31
11.26	11.26	31
11.27	11.27	31
11.28	11.28	31
11.29	11.29	31
11.30	11.30	31
11.31	11.31	31
11.32	11.32	31
11.33	11.33	31
11.34	11.34	31
11.35	11.35	31
11.36	11.36	31
11.37	11.37	31
11.38	11.38	31
11.39	11.39	31
11.40	11.40	31
11.41	11.41	31
11.42	11.42	31
11.43	11.43	31
11.44	11.44	31
11.45	11.45	31
11.46	11.46	31
11.47	11.47	31
11.48	11.48	31
11.49	11.49	31
11.50	11.50	31
11.51	11.51	31
11.52	11.52	31
11.53	11.53	31
11.54	11.54	31
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11.56	11.56	31
11.57	11.57	31
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11.61	11.61	31
11.62	11.62	31
11.63	11.63	31
11.64	11.64	31
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11.66	11.66	31
11.67	11.67	31
11.68	11.68	31
11.69	11.69	31
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11.71	11.71	31
11.72	11.72	31
11.73	11.73	31
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11.78	11.78	31
11.79	11.79	31
11.80	11.80	31
11.81	11.81	31
11.82	11.82	31
11.83	11.83	31
11.84	11.84	31
11.85	11.85	31
11.86	11.86	31
11.87	11.87	31
11.88	11.88	31
11.89	11.89	31
11.90	11.90	31
11.91	11.91	31
11.92	11.92	31
11.93	11.93	31
11.94	11.94	31
11.95	11.95	31
11.96	11.96	31
11.97	11.97	31
11.98	11.98	31
11.99	11.99	31
120	120	31

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11	11	31
12	12	31

BIBV **BASE** **SAN** **TE** **FR** **QU** **IA**

BASE **SAN** **TE** **FR** **QU** **IA**

CONTENTS

Table 1.1 The Standard Normal Distribution Function and Table 1.1.1	24
Table 1.2 The Standard Normal Distribution Function and Table 1.2.1	25
Table 1.3 The Standard Normal Distribution Function and Table 1.3.1	26
Table 1.4 The Standard Normal Distribution Function and Table 1.4.1	27
Table 1.5 The Standard Normal Distribution Function and Table 1.5.1	28
Table 1.6 The Standard Normal Distribution Function and Table 1.6.1	29
Table 1.7 The Standard Normal Distribution Function and Table 1.7.1	30
Table 1.8 The Standard Normal Distribution Function and Table 1.8.1	31
Table 1.9 The Standard Normal Distribution Function and Table 1.9.1	32
Table 1.10 The Standard Normal Distribution Function and Table 1.10.1	33

TABLE OF CONTENTS

Lesson 11	High-Speed Rail	11
Lesson 12	Green Tech	11
Lesson 13	Smart Grid	11
Lesson 14	Intelligent Mail Program and Business Data	15
Lesson 15	Cloud for Postnet	11
Lesson 16	Cloud Services	14
Lesson 17	How to Use Cloud for Smart & Secure	16
Lesson 18	From Proprietary Mail	41
Lesson 19	Using Cloud for Mail	6
Lesson 20	Postage Meter	42
Lesson 21	Cloud for Mail	16
Lesson 22	From Proprietary Mail to Cloud	11
Lesson 23	From Postage	11
Lesson 24	From Proprietary Mail	11
Lesson 25	From Postage Meter	11
Lesson 26	From Postage Meter	11
Lesson 27	From Postage Meter to Cloud	11
Lesson 28	From Postage Meter to Cloud	11
Lesson 29	From Postage Meter to Cloud	11
Lesson 30	From Postage Meter to Cloud	11
Lesson 31	From Postage Meter to Cloud	11
Lesson 32	From Postage Meter to Cloud	11
Lesson 33	From Postage Meter to Cloud	11
Lesson 34	From Postage Meter to Cloud	11
Lesson 35	From Postage Meter to Cloud	11
Lesson 36	From Postage Meter to Cloud	11
Lesson 37	From Postage Meter to Cloud	11
Lesson 38	From Postage Meter to Cloud	11
Lesson 39	From Postage Meter to Cloud	11
Lesson 40	From Postage Meter to Cloud	11
Lesson 41	From Postage Meter to Cloud	11
Lesson 42	From Postage Meter to Cloud	11
Lesson 43	From Postage Meter to Cloud	11
Lesson 44	From Postage Meter to Cloud	11
Lesson 45	From Postage Meter to Cloud	11
Lesson 46	From Postage Meter to Cloud	11
Lesson 47	From Postage Meter to Cloud	11
Lesson 48	From Postage Meter to Cloud	11
Lesson 49	From Postage Meter to Cloud	11
Lesson 50	From Postage Meter to Cloud	11
Lesson 51	From Postage Meter to Cloud	11
Lesson 52	From Postage Meter to Cloud	11
Lesson 53	From Postage Meter to Cloud	11
Lesson 54	From Postage Meter to Cloud	11
Lesson 55	From Postage Meter to Cloud	11
Lesson 56	From Postage Meter to Cloud	11
Lesson 57	From Postage Meter to Cloud	11
Lesson 58	From Postage Meter to Cloud	11
Lesson 59	From Postage Meter to Cloud	11
Lesson 60	From Postage Meter to Cloud	11
Lesson 61	From Postage Meter to Cloud	11
Lesson 62	From Postage Meter to Cloud	11
Lesson 63	From Postage Meter to Cloud	11
Lesson 64	From Postage Meter to Cloud	11
Lesson 65	From Postage Meter to Cloud	11
Lesson 66	From Postage Meter to Cloud	11
Lesson 67	From Postage Meter to Cloud	11
Lesson 68	From Postage Meter to Cloud	11
Lesson 69	From Postage Meter to Cloud	11
Lesson 70	From Postage Meter to Cloud	11
Lesson 71	From Postage Meter to Cloud	11
Lesson 72	From Postage Meter to Cloud	11
Lesson 73	From Postage Meter to Cloud	11
Lesson 74	From Postage Meter to Cloud	11
Lesson 75	From Postage Meter to Cloud	11
Lesson 76	From Postage Meter to Cloud	11
Lesson 77	From Postage Meter to Cloud	11
Lesson 78	From Postage Meter to Cloud	11
Lesson 79	From Postage Meter to Cloud	11
Lesson 80	From Postage Meter to Cloud	11
Lesson 81	From Postage Meter to Cloud	11
Lesson 82	From Postage Meter to Cloud	11
Lesson 83	From Postage Meter to Cloud	11
Lesson 84	From Postage Meter to Cloud	11
Lesson 85	From Postage Meter to Cloud	11
Lesson 86	From Postage Meter to Cloud	11
Lesson 87	From Postage Meter to Cloud	11
Lesson 88	From Postage Meter to Cloud	11
Lesson 89	From Postage Meter to Cloud	11
Lesson 90	From Postage Meter to Cloud	11
Lesson 91	From Postage Meter to Cloud	11
Lesson 92	From Postage Meter to Cloud	11
Lesson 93	From Postage Meter to Cloud	11
Lesson 94	From Postage Meter to Cloud	11
Lesson 95	From Postage Meter to Cloud	11
Lesson 96	From Postage Meter to Cloud	11
Lesson 97	From Postage Meter to Cloud	11
Lesson 98	From Postage Meter to Cloud	11
Lesson 99	From Postage Meter to Cloud	11
Lesson 100	From Postage Meter to Cloud	11



Table CONTENTS

1.1. Table of Contents

Table of Contents

The table of contents is a list of the chapters and sections in a book, usually placed at the beginning of the book. It provides a quick reference to the location of each chapter or section. The table of contents is usually organized in a hierarchical manner, with the chapters listed first, followed by the sections within each chapter. The table of contents is usually presented in a table format, with the chapter or section name in the first column and the page number in the second column. The table of contents is a useful tool for readers to find the information they need in a book.

The table of contents is a list of the chapters and sections in a book, usually placed at the beginning of the book. It provides a quick reference to the location of each chapter or section. The table of contents is usually organized in a hierarchical manner, with the chapters listed first, followed by the sections within each chapter. The table of contents is usually presented in a table format, with the chapter or section name in the first column and the page number in the second column. The table of contents is a useful tool for readers to find the information they need in a book.

(b) The first of the two main parts of the cell wall is the primary wall. This is the outermost layer and is made of cellulose, hemicellulose and pectin. The second part is the secondary wall, which is made of cellulose and lignin. The primary wall is thicker than the secondary wall.

The primary wall is made of cellulose, hemicellulose and pectin. The secondary wall is made of cellulose and lignin. The primary wall is thicker than the secondary wall.



3.2. Secondary Wall

The secondary wall is made of cellulose and lignin. It is thicker than the primary wall and is located inside the primary wall.

The secondary wall is made of cellulose and lignin. It is thicker than the primary wall and is located inside the primary wall.

The secondary wall is made of cellulose and lignin. It is thicker than the primary wall and is located inside the primary wall.

3.3. Tertiary Wall

The tertiary wall is made of cellulose and lignin. It is the innermost layer and is located inside the secondary wall.

11. Mengapa seluruh hal terjadi saat kutub magnet berputar di atas kawat?

14. Motor Listrik

1. Bagaimana cara kerja motor listrik?
2. Mengapa ia bisa berputar terus-menerus?
3. Mengapa ia bisa berputar ke satu arah?

11. Busbar Motor

Motor listrik adalah mesin yang mengubah energi listrik menjadi energi mekanik.

1. Bagaimana cara kerja busbar motor?
2. Bagaimana cara kerja busbar motor?
3. Bagaimana cara kerja busbar motor?



ANATOMI

11. Fungsi Fertilisasi

Fertilisasi adalah proses pertemuan sel-sel gamet yang menghasilkan zigot. Hal ini merupakan salah satu cara reproduksi seksual yang melibatkan dua jenis kelamin, yaitu jantan dan betina. Pada fertilisasi, sel telur yang mengandung kromosom haploid (n) bertemu dengan spermatozoa yang mengandung kromosom haploid (n). Pertemuan ini menghasilkan zigot yang mengandung kromosom diploid (2n). Proses ini terjadi di dalam saluran telur betina.



Zigot yang terbentuk akan bergerak ke arah rahim untuk berimplantasi. Setelah berimplantasi, zigot akan berkembang menjadi embrio dan akhirnya menjadi janin. Fertilisasi merupakan langkah awal dalam siklus kehidupan manusia.

yang dapat meningkatkan kualitas hidup masyarakat. Untuk itu, perlu dilakukan berbagai upaya yang meliputi aspek kesehatan fisik, mental, dan sosial. Salah satu upaya yang dapat dilakukan adalah dengan meningkatkan pengetahuan dan keterampilan masyarakat dalam menjaga kesehatan diri dan lingkungannya. Hal ini dapat dilakukan melalui berbagai cara, seperti melalui penyuluhan kesehatan, pelatihan, dan lain-lain. Dengan demikian, diharapkan masyarakat dapat meningkatkan kualitas hidupnya.

Salah satu upaya yang dapat dilakukan untuk meningkatkan pengetahuan dan keterampilan masyarakat adalah dengan melakukan penyuluhan kesehatan. Penyuluhan kesehatan adalah kegiatan yang bertujuan untuk meningkatkan pengetahuan, sikap, dan keterampilan masyarakat dalam menjaga kesehatan diri dan lingkungannya. Penyuluhan kesehatan dapat dilakukan melalui berbagai cara, seperti melalui pertemuan langsung, media massa, dan lain-lain. Dengan demikian, diharapkan masyarakat dapat meningkatkan kualitas hidupnya.

1.1. Pengertian (Definisi)

Pengertian kesehatan adalah keadaan sejahtera di mana individu dan masyarakat memiliki kemampuan untuk memenuhi kebutuhan hidupnya. Kesehatan tidak hanya berkaitan dengan aspek fisik, tetapi juga dengan aspek mental, sosial, dan spiritual. Kesehatan adalah suatu keadaan yang memungkinkan individu dan masyarakat untuk dapat melakukan aktivitas sehari-hari dengan baik. Kesehatan adalah suatu keadaan yang memungkinkan individu dan masyarakat untuk dapat menikmati hidup dengan penuh kebahagiaan. Kesehatan adalah suatu keadaan yang memungkinkan individu dan masyarakat untuk dapat mencapai tujuan hidupnya.

1. *Platyhelminthes*, the flatworms, are the most primitive of the three phyla.

4. *Metacercariae* (see Figure 10.10) (see also Figure 10.11)

These are parasitic flatworms that have an asexual life cycle. They are found in freshwater environments. They are the cause of schistosomiasis, a disease of humans and other mammals. The adult worms are found in the blood vessels of the host. They are also found in the liver, spleen, and other organs. The life cycle of the metacercariae involves a snail as an intermediate host. The eggs are laid in the water and hatch into miracidia, which infect the snail. Inside the snail, they develop into cercariae, which are released into the water. The cercariae then infect a new host, completing the cycle.

5. *Fluke* (see Figure 10.10)

Flukes are parasitic flatworms that have a complex life cycle. They are found in both freshwater and marine environments. They are the cause of various diseases in humans and other mammals. The life cycle of flukes involves a snail as an intermediate host. The eggs are laid in the water and hatch into miracidia, which infect the snail. Inside the snail, they develop into cercariae, which are released into the water. The cercariae then infect a new host, completing the cycle.

6. *Tapeworm* (see Figure 10.10)

Tapeworms are parasitic flatworms that have a complex life cycle. They are found in both freshwater and marine environments. They are the cause of various diseases in humans and other mammals. The life cycle of tapeworms involves a snail as an intermediate host. The eggs are laid in the water and hatch into miracidia, which infect the snail. Inside the snail, they develop into cercariae, which are released into the water. The cercariae then infect a new host, completing the cycle.

• Struktur dan Fungsi

• Fungsi utama dari sel adalah...

- 1. Memproduksi energi
- 2. Menyimpan informasi
- 3. Mengatur metabolisme

• Struktur sel terdiri dari...

• Membran

- 1. Membran plasma
- 2. Membran mitokondria
- 3. Membran kloroplas

• Organel

- 1. Mitokondria
- 2. Kloroplas
- 3. Ribosom
- 4. Retikulum Endoplasma
- 5. Golgi Apparatus
- 6. Lisosom
- 7. Sentriol
- 8. Vakuola
- 9. Nucleolus
- 10. Nucleus

• Fungsi

- 1. Mitokondria: menghasilkan energi
- 2. Kloroplas: melakukan fotosintesis
- 3. Ribosom: sintesis protein
- 4. Retikulum Endoplasma: sintesis lemak
- 5. Golgi Apparatus: transportasi protein
- 6. Lisosom: pencernaan intraseluler
- 7. Sentriol: pembelahan sel
- 8. Vakuola: penyimpanan air
- 9. Nucleolus: sintesis ribosom
- 10. Nucleus: penyimpanan informasi genetik

• Kesimpulan

• Sel adalah unit struktural dan fungsional terkecil dari organisme...

1. **Introduction**

2. **Objectives**

3. **Methodology**

4. **Results**

Methodology

The study was conducted in a laboratory setting.

The following materials and equipment were used:

1. **Sample**

Results

The results of the study are as follows:

1. **Observation**

Discussion

The results of the study are discussed in the following sections:

1. **Conclusion**

References

1. **Author**

Appendix

The following tables and figures are included in the appendix:

1. **Table 1**

2. **Table 2**

Conclusion

The study concludes that the following findings were observed:

1. **Conclusion**

• **Uter**

Uterus er en stor muskelorgn som ligger i mellomrommet mellom livmor og livmorhals. Den har en form som en klokke og er delt i to deler: livmor og livmorhals. Den er ansvarlig for å bære og utvikle fosteret under svangerskapet.

• **NS**

NS er en viktig del av det sentrale nervesystemet og er ansvarlig for å kontrollere og koordinere kroppens funksjoner. Den består av hjernen og ryggmargen. NS er ansvarlig for å sende og motta signaler mellom kroppens ulike deler. Den er også ansvarlig for å kontrollere kroppens muskler og organer. NS er en viktig del av kroppens forsvar og er ansvarlig for å reagere på stress og andre ytre påvirkninger. NS er også ansvarlig for å kontrollere kroppens søvn og vekst. NS er en viktig del av kroppens helse og er ansvarlig for å opprettholde kroppens normale funksjoner. NS er en viktig del av kroppens helse og er ansvarlig for å opprettholde kroppens normale funksjoner. NS er en viktig del av kroppens helse og er ansvarlig for å opprettholde kroppens normale funksjoner.



Figure 1.1: A photograph of a white, lattice-like structure, possibly a piece of fabric or a mesh, draped over a dark surface.

The following text is extremely blurry and illegible. It appears to be a list of items or a series of short paragraphs. The text is mostly black on a light background, with some red highlights in the center of the page.

The following text is also illegible due to blurriness. It appears to be a continuation of the list or text from the previous section.

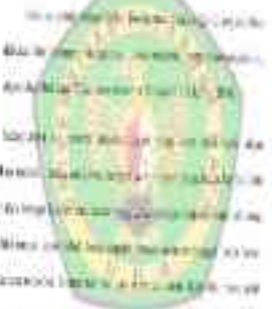
1. The first part of the method is to identify the main components of the system. This is done by looking at the overall structure and identifying the key elements that make up the whole.

2. The next step is to define the boundaries of the system. This involves identifying the inputs and outputs of the system and the interactions between the components.

3. The third step is to develop a model of the system. This is done by creating a diagram or flowchart that shows the relationships between the components and how they interact.

4. The final step is to validate the model. This involves comparing the model's predictions with actual data and making adjustments as needed to improve its accuracy.

5. The last step is to use the model to analyze the system. This involves running simulations and interpreting the results to gain insights into the system's behavior.



6. The final step is to use the model to analyze the system. This involves running simulations and interpreting the results to gain insights into the system's behavior.

7. The final step is to use the model to analyze the system. This involves running simulations and interpreting the results to gain insights into the system's behavior.

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Sampel 15 menit
Dokter: M. Nur Hafidha

1.1. Model uji Persepsi dan Persepsi

Diagram of a human head showing internal structures. The diagram is color-coded: green for the outer shell, yellow for the brain, and red for the central structures. Labels in Indonesian are present but difficult to read due to low resolution. The diagram illustrates the internal anatomy of the head, including the brain, eyes, and other sensory organs.

1. Dams

1.1. Dams are structures built across rivers or streams to control the flow of water.

1.2. They are used for various purposes:

1.2.1. Hydroelectric power

1.2.2. Irrigation

1.2.3. Flood control

1.2.4. Water supply

1.2.5. Recreation

1.3. Types of dams:

1.3.1. Gravity dam

1.3.2. Arch dam

1.3.3. Buttress dam

1.3.4. Embankment dam

1.3.5. Rockfill dam

1.3.6. Concrete dam

1.3.7. Steel dam

1.3.8. Timber dam

1.4

1.5. Dams are built across rivers or streams to control the flow of water.

1.6. They are used for various purposes:

1.6.1. Hydroelectric power

1.6.2. Irrigation

1.6.3. Flood control

1.6.4. Water supply

1.6.5. Recreation

ii) Pergerakan pada lajur ketiga – sangat penting untuk

(11)

menyampaikan dimensi ke-3

A = 45V

B = 1

C = 1

D = 200V/2000

E = 2000/2000 = 1

F = 2000/2000 = 1



II. Evaluation of the Proposed Method

2.1. Comparison of the Proposed Method

The proposed method is compared with the existing method

using the following criteria: (1) Accuracy (2) Time

Consumption (3) Complexity (4) Scalability

(5) Robustness (6) Flexibility (7) Portability

(8) Reliability (9) Maintainability (10) Security

(11) Interoperability (12) Compatibility

(13) Performance (14) Cost (15) Risk

(16) Usability (17) Accessibility (18) Privacy

(19) Confidentiality (20) Integrity

(21) Availability (22) Reliability (23) Scalability

(24) Flexibility (25) Portability (26) Interoperability

(27) Compatibility (28) Performance (29) Cost

(30) Risk (31) Usability (32) Accessibility

(33) Privacy (34) Confidentiality (35) Integrity

(36) Availability (37) Reliability (38) Scalability

(39) Flexibility (40) Portability (41) Interoperability

(42) Compatibility (43) Performance (44) Cost

(45) Risk (46) Usability (47) Accessibility

(48) Privacy (49) Confidentiality (50) Integrity

(51) Availability (52) Reliability (53) Scalability

(54) Flexibility (55) Portability (56) Interoperability

(57) Compatibility (58) Performance (59) Cost

2020-2021 Curriculum Framework for School Education

Appendix

Table 31: List of Fishes of the Inshore Group (Group A) (Area 20)

Sl. No.	Common Name	Scientific Name
1	Sea Horse	Hippocampus
2	Clown Fish	Pomacentrus
3	Parrot Fish	Scorpaenidae
4	Surf Scorpion Fish	Scorpaenidae
5	Sea Snake	Hydrophidae
6	Shark	Carcharias
7	Ray	Rhinochimaera
8	Starfish	Asterias
9	Sea Urchin	Echinoidea
10	Crinoid	Crinoidea
11	Amphipod	Amphipoda
12	Isopod	Isopoda
13	Decapod	Decapoda
14	Stomatopoda	Stomatopoda
15	Crustaceans	Crustacea
16	Polychaeta	Polychaeta
17	Cnidaria	Cnidaria
18	Mollusca	Mollusca
19	Arthropoda	Arthropoda
20	Chordata	Chordata

Table 32: List of Fishes of the Open Ocean Group (Group B) (Area 20)

2.2 Fishes of Open Ocean

Open Ocean Fishes are found in the open sea.

Examples: Mackerel, Tuna, Shark, etc.

2.3 Marine Invertebrates

of 1. Large flower, which is pink, purple, blue
 or white, depending on the variety.

2. The fruit is a small, round, green, fleshy
 berry, which is eaten.

3. The plant is a small, bushy, perennial
 herb, which is grown in gardens.

4. The fruit is a small, round, green, fleshy
 berry, which is eaten.

5. The fruit is a small, round, green, fleshy
 berry, which is eaten.

6. The fruit is a small, round, green, fleshy
 berry, which is eaten.

7. The fruit is a small, round, green, fleshy
 berry, which is eaten.

8. The fruit is a small, round, green, fleshy
 berry, which is eaten.

9. The fruit is a small, round, green, fleshy
 berry, which is eaten.

10. The fruit is a small, round, green, fleshy
 berry, which is eaten.

11. The fruit is a small, round, green, fleshy
 berry, which is eaten.

12. The fruit is a small, round, green, fleshy
 berry, which is eaten.



1. Mengidentifikasi bagian-bagian dari tumbuhan.

2. Mengidentifikasi bagian-bagian dari tumbuhan.

3. Mengidentifikasi bagian-bagian dari tumbuhan.

4. Mengidentifikasi bagian-bagian dari tumbuhan.

5. Mengidentifikasi bagian-bagian dari tumbuhan.

6. Mengidentifikasi bagian-bagian dari tumbuhan.

7. Mengidentifikasi bagian-bagian dari tumbuhan.

8. Mengidentifikasi bagian-bagian dari tumbuhan.

9. Mengidentifikasi bagian-bagian dari tumbuhan.

10. Mengidentifikasi bagian-bagian dari tumbuhan.

11. Mengidentifikasi bagian-bagian dari tumbuhan.

12. Mengidentifikasi bagian-bagian dari tumbuhan.

13. Mengidentifikasi bagian-bagian dari tumbuhan.

14. Mengidentifikasi bagian-bagian dari tumbuhan.

15. Mengidentifikasi bagian-bagian dari tumbuhan.

16. Mengidentifikasi bagian-bagian dari tumbuhan.

17. Mengidentifikasi bagian-bagian dari tumbuhan.

18. Mengidentifikasi bagian-bagian dari tumbuhan.

19. Mengidentifikasi bagian-bagian dari tumbuhan.

20. Mengidentifikasi bagian-bagian dari tumbuhan.

21. Mengidentifikasi bagian-bagian dari tumbuhan.





• *Chloroplasts* (100,000 x 5,000 x 2,000 nm) are found in the cytoplasm of plant cells and are the site of photosynthesis. They are bounded by a double membrane and contain a fluid matrix called stroma. Inside the stroma are stacks of green, disc-like structures called thylakoids. The thylakoids are arranged in a network called the thylakoid membrane. The thylakoid membrane is where the light-dependent reactions of photosynthesis take place. The end products of these reactions are oxygen and ATP. The Calvin cycle, which is the light-independent reaction, takes place in the stroma. It uses ATP and NADPH from the light-dependent reactions to produce glucose. The overall equation for photosynthesis is: $6CO_2 + 6H_2O \rightarrow C_6H_{12}O_6 + 6O_2$.

3. *Endoplasmic Reticulum (ER)*

The endoplasmic reticulum (ER) is a large, complex organelle found in eukaryotic cells. It is composed of a network of membranes that form a series of flattened, interconnected sacs or tubules. The ER is divided into two main types: rough ER and smooth ER. The rough ER is studded with ribosomes, which are the sites of protein synthesis. The smooth ER is involved in the synthesis of lipids and the detoxification of drugs and poisons. The ER is continuous with the nuclear envelope, which is the membrane that surrounds the nucleus. The space between the two membranes of the nuclear envelope is called the nuclear pore complex, which allows for the exchange of materials between the nucleus and the cytoplasm. The ER is also involved in the transport of proteins and lipids to other parts of the cell.

The ER is a large, complex organelle found in eukaryotic cells. It is composed of a network of membranes that form a series of flattened, interconnected sacs or tubules. The ER is divided into two main types: rough ER and smooth ER. The rough ER is studded with ribosomes, which are the sites of protein synthesis. The smooth ER is involved in the synthesis of lipids and the detoxification of drugs and poisons. The ER is continuous with the nuclear envelope, which is the membrane that surrounds the nucleus. The space between the two membranes of the nuclear envelope is called the nuclear pore complex, which allows for the exchange of materials between the nucleus and the cytoplasm. The ER is also involved in the transport of proteins and lipids to other parts of the cell.

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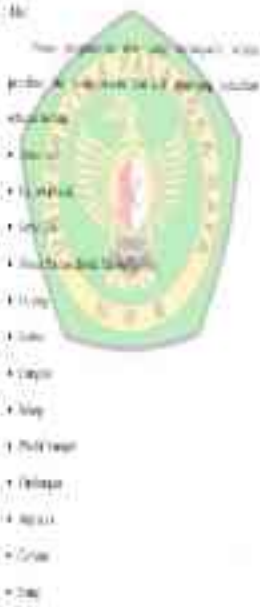
1. Die primären Meristeme sind die Apikalmeristeme (ZS, ZN).

2. Sekundärmeristeme

Wachstum durch sekundäre Meristeme ermöglicht die Sekundärholzbildung. Sekundäre Meristeme sind die Kambialmeristeme (ZK) und die Korkkambialmeristeme (ZKb).

3.1.1. Kambium

→ ZK



• The first

• The second

• The third

• The third is the most important of the three

• The third is the most important of the three

• The third is the most important of the three

• The fourth

• The fourth is the most important of the three

• The fourth is the most important of the three

• The fourth is the most important of the three

• The fourth is the most important of the three

• The fourth is the most important of the three

• The fourth is the most important of the three

• The fourth is the most important of the three

• The fourth is the most important of the three

• The fourth is the most important of the three

• The fourth is the most important of the three



• The fourth is the most important of the three



Bild 12.12 Querschnitt eines Stängels

Section II, (b) (1) ...
 ...
 ...
 ...



Section II, (b) (1) ...

Section II, (b) (1) ...

...
 ...
 ...
 ...

3. Diagramm: Die Entwicklung des Embryos von der Eizelle bis zum Fetus. Die Eizelle ist die Zelle, die die genetische Information enthält. Die Spermienzelle ist die Zelle, die die genetische Information enthält. Die Eizelle und die Spermienzelle vereinigen sich zu einer Zygote. Die Zygote teilt sich und bildet den Embryo. Der Embryo entwickelt sich zum Fetus.

Abbildung 1: Die Entwicklung des Embryos von der Eizelle bis zum Fetus.

Phase	Zeitraum (Tage)	Charakteristika	Abbildung
1	0-2	Eizelle und Spermienzelle vereinigen sich zu einer Zygote.	1
2	3-5	Die Zygote teilt sich und bildet den Embryo.	2
3	6-14	Der Embryo entwickelt sich zum Fetus.	3
4	15-28	Der Fetus entwickelt sich zum Kind.	4



- 1. Eizelle und Spermienzelle vereinigen sich zu einer Zygote.
- 2. Die Zygote teilt sich und bildet den Embryo.
- 3. Der Embryo entwickelt sich zum Fetus.
- 4. Der Fetus entwickelt sich zum Kind.

Die Eizelle ist die Zelle, die die genetische Information enthält. Die Spermienzelle ist die Zelle, die die genetische Information enthält. Die Eizelle und die Spermienzelle vereinigen sich zu einer Zygote. Die Zygote teilt sich und bildet den Embryo. Der Embryo entwickelt sich zum Fetus. Der Fetus entwickelt sich zum Kind.

No. of groups	Area covered (m ²)	No. of trees	Remarks
1	100	10	10 trees

Table 10.1: Field data

Activity 10.1: Estimating the number of trees in a field



Suppose you have a field of 100m x 100m. You want to estimate the number of trees in the field. You decide to count the number of trees in a 10m wide transect. You find 10 trees in the transect. You estimate that there are 100 trees in the field.

Name: _____
 Date: _____
 Page: _____

Part	Function
1	2
3	4
5	6



Q.1

Write the names of the following parts of a stem:

1. Apical meristem

2. Secondary xylem

3. Secondary phloem

4. Vascular cambium

5. Secondary xylem

6. Pith

7. Pith rays

8. Primary xylem

9. Primary phloem

10. Cork cambium

11. Cork

12. Lenticels

13. Growth rings

14. Heartwood

15. Sapwood

16. Annual rings

17. Growth rings

Diagram of a plant stem cross-section

The diagram shows a cross-section of a stem with various tissues. The outermost layer is the **Cork**, which provides protection. Inside the cork is the **Cork cambium**, which produces the cork. The next layer is the **Cortex**, which contains **Collenchyma** and **Cortex parenchyma**. The **Endodermis** is the innermost layer of the cortex, which produces the **Pericycle**. The **Pericycle** is the site of secondary growth. The **Primary xylem** is located towards the center, and the **Secondary xylem** is produced by the **Vascular cambium**. The **Vascular cambium** is a layer of cells that produces secondary xylem and secondary phloem. The **Secondary phloem** is located towards the periphery, and the **Primary phloem** is located towards the center. The **Primary phloem** is produced by the **Phloem cambium**. The **Phloem cambium** is a layer of cells that produces primary phloem and secondary phloem. The **Secondary phloem** is located towards the periphery, and the **Primary phloem** is located towards the center. The **Primary phloem** is produced by the **Phloem cambium**. The **Phloem cambium** is a layer of cells that produces primary phloem and secondary phloem.



The diagram illustrates the internal structure of a stem, showing the arrangement of various tissues. The outermost layer is the **Cork**, which provides protection. Inside the cork is the **Cork cambium**, which produces the cork. The next layer is the **Cortex**, which contains **Collenchyma** and **Cortex parenchyma**. The **Endodermis** is the innermost layer of the cortex, which produces the **Pericycle**. The **Pericycle** is the site of secondary growth. The **Primary xylem** is located towards the center, and the **Secondary xylem** is produced by the **Vascular cambium**. The **Vascular cambium** is a layer of cells that produces secondary xylem and secondary phloem. The **Secondary phloem** is located towards the periphery, and the **Primary phloem** is located towards the center. The **Primary phloem** is produced by the **Phloem cambium**. The **Phloem cambium** is a layer of cells that produces primary phloem and secondary phloem.

the presence of a large amount of water in the soil, the water potential is high and the water potential of the plant is low. This causes water to move from the soil into the plant. The water potential of the plant is low because of the presence of a large amount of water in the soil.

The water potential of the plant is low because of the presence of a large amount of water in the soil. The water potential of the soil is high because of the presence of a large amount of water in the soil.



The diagram shows the transport of water and nutrients in a plant stem. The xylem is responsible for the upward movement of water, while the phloem is responsible for the downward movement of nutrients. The diagram illustrates the flow of water and nutrients through the plant's vascular system.

ANATOMY OF THE HUMAN BODY

111

The diagram illustrates the internal structure of the human body, showing the major organs and systems. The central part of the diagram is labeled 'Internal Organs' and includes the heart, lungs, stomach, and intestines. The surrounding areas are labeled 'External Organs' and include the skin, hair, and nails. The diagram is color-coded to show different systems: the circulatory system is shown in red, the respiratory system in blue, the digestive system in yellow, and the nervous system in green.



The diagram illustrates the internal structure of the human body, showing the major organs and systems. The central part of the diagram is labeled 'Internal Organs' and includes the heart, lungs, stomach, and intestines. The surrounding areas are labeled 'External Organs' and include the skin, hair, and nails. The diagram is color-coded to show different systems: the circulatory system is shown in red, the respiratory system in blue, the digestive system in yellow, and the nervous system in green.

... ..

... ..

... ..



ENTOMOLOG

1. *Blattella germanica* L. (Blattellidae) - Common household cockroach
2. *Periplaneta americana* L. (Blattellidae) - Brown banded cockroach
3. *Nauphotho cincta* (Walker) (Blattellidae) - Smoky brown cockroach

4. *Leucophaea maderae* (Macleod) (Blattellidae) - Light brown cockroach
5. *Parcoblattella germanica* (Macleod) (Blattellidae) - German cockroach

6. *Blattella orientalis* (Macleod) (Blattellidae) - Oriental cockroach

7. *Blattella brunnea* (Macleod) (Blattellidae) - Brown cockroach

8. *Blattella sp.* (Blattellidae) - Various species of cockroaches

9. *Blattella sp.* (Blattellidae) - Various species of cockroaches

10. *Blattella sp.* (Blattellidae) - Various species of cockroaches

11. *Blattella sp.* (Blattellidae) - Various species of cockroaches

12. *Blattella sp.* (Blattellidae) - Various species of cockroaches

13. *Blattella sp.* (Blattellidae) - Various species of cockroaches

14. *Blattella sp.* (Blattellidae) - Various species of cockroaches

15. *Blattella sp.* (Blattellidae) - Various species of cockroaches

16. *Blattella sp.* (Blattellidae) - Various species of cockroaches

