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Pembelajaran STEAM Terintegrasi

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KATA PENGANTAR

Puji syukur ke hadirat Tuhan Yang Maha Esa atas segala rahmat dan karunia-Nya sehingga buku *Pembelajaran STEAM Terintegrasi* dapat diselesaikan dan hadir di tengah para pembaca. Perkembangan ilmu pengetahuan, teknologi, dan dinamika kehidupan global menuntut dunia pendidikan untuk terus berinovasi dalam menciptakan proses pembelajaran yang relevan dengan kebutuhan zaman. Salah satu pendekatan yang semakin banyak diterapkan adalah pembelajaran STEAM yang mengintegrasikan berbagai disiplin ilmu dalam pengalaman belajar yang holistik.

Buku ini disusun untuk memberikan pemahaman mengenai konsep dan penerapan pembelajaran STEAM secara terintegrasi. Dengan menggabungkan unsur sains, teknologi, rekayasa, seni, dan matematika, pendekatan ini tidak hanya membantu peserta didik memahami materi pembelajaran, tetapi juga mendorong mereka untuk berpikir kreatif, bekerja sama, dan menghasilkan solusi atas berbagai permasalahan yang dihadapi dalam kehidupan nyata.

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Tim Penyusun

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Pembelajaran STEAM Terintegrasi membahas pendekatan pembelajaran yang menggabungkan lima bidang utama, yaitu Science (Sains), Technology (Teknologi), Engineering (Rekayasa), Arts (Seni), dan Mathematics (Matematika), dalam satu kesatuan yang saling terhubung. Pendekatan ini dirancang untuk membantu peserta didik mengembangkan kemampuan berpikir kritis, kreativitas, kolaborasi, komunikasi, dan pemecahan masalah yang sangat dibutuhkan dalam menghadapi tantangan abad ke-21.

Buku ini menjelaskan konsep, prinsip, strategi, dan praktik pembelajaran STEAM yang dapat diterapkan di berbagai jenjang pendidikan. Melalui berbagai contoh penerapan dan pembelajaran berbasis proyek, pembaca diajak memahami bagaimana integrasi sains, teknologi, rekayasa, seni, dan matematika dapat menciptakan pengalaman belajar yang lebih menarik, kontekstual, dan bermakna bagi peserta didik.

Ditulis dengan bahasa yang mudah dipahami, buku ini ditujukan bagi masyarakat umum yang ingin memahami pentingnya pembelajaran STEAM dalam mempersiapkan generasi yang inovatif, adaptif, dan siap menghadapi perubahan dunia yang terus berkembang. Buku ini diharapkan menjadi sumber inspirasi dalam menciptakan lingkungan belajar yang kreatif dan berorientasi pada masa depan.

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